

ANNUAL REPORT of VITAL STATISTICS



1975

**Commonwealth of Massachusetts
Department of Public Health**

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The Commonwealth of Massachusetts
Department of Public Health

80 Boylston Street, Boston, 02116

JONATHAN E. FIELDING, M. D.
COMMISSIONER

November, 1976

To the Honorable Senate and
House of Representatives

I have the honor to submit herewith as required by Chapter 111, Section 2, of the General Laws, the one hundred and thirty-fourth annual report on statistics of births, deaths, fetal deaths, marriages, and divorces in Massachusetts for the calendar year 1975.

In accordance with Chapter 508, Acts of 1964, this is the twelfth Annual Report of Vital Statistics published by the Department of Public Health, and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

Jonathan E. Fielding

Jonathan E. Fielding, M.D.
Commissioner

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF PUBLIC HEALTH

Jonathan E. Fielding, M.D.

Commissioner

Annual Report

of

Vital Statistics of Massachusetts

(Births, Deaths, Fetal Deaths, Marriages, and Divorces)

For the Year Ending December 31, 1975

Prepared by the

Massachusetts Department of Public Health

Vital Events Program

Office of Health Statistics

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FOREWORD

In 1841 the registration of vital events in Massachusetts was formalized by legislation, and this edition marks the 134th Annual Report of Vital Statistics. Records of births, deaths, fetal deaths, marriages and divorces are filed with the Secretary of the Commonwealth. The Secretary has traditionally employed a Registrar of Vital Statistics who, until recently, has also served as the tabulator and reporter of aggregated information culled from the records. In 1964, however, the latter responsibility was assigned by the Legislature to the Massachusetts Department of Public Health for purposes not only of administration but also of research related to health programs and population studies.

The data format which was adopted by Public Health in 1964 has been modified somewhat in this the twelfth report prepared by the Department. A greater emphasis has been placed upon utility of the information for health program development, planning, and administration, and certain changes have resulted. Improvements in both the manual and computer processing of the data have increased its timeliness, thus enlarging its potential and, consequently, its list of users.

The tables included in this report have been selected to meet the needs of the majority of vital statistics users. Other more detailed tables have been prepared and are on hand; reference will be made to them in the text. Other material accessible through the Office of Health Statistics consists of microfilmed copies of records since 1965 and computerized information since 1969 on magnetic tape.

Agencies, both public and private, needing information for program planning and research are encouraged to contact the Office of Health Statistics, 80 Boylston St., Boston, Massachusetts, 02116; telephone: (617) 727-5542 or 5543.

INTRODUCTION

The "vital" events involving Massachusetts residents in 1975 and 1974 compare as follows:

	<u>1975</u>	<u>1974</u>	<u>Per cent change</u>
Live births	68,070	70,071	-2.9
Fetal deaths	664	741	-10.4
Infant deaths	903	976	-7.5
Neonatal deaths	678	763	-11.1
Total deaths*	53,708	55,776	-3.7
Marriages	42,103	44,223	-4.8
Divorces/annulments	16,581	16,116	+2.9

*Total deaths do not include fetal deaths.

These figures confirm that the recent trend for all events (except divorce) to decrease is being continued. Discussion and detailed consideration will be presented in following sections.

DEFINITIONS: The standard questions asked of vital statisticians are "Has there been a change?" and "How does our experience differ from that of other populations?" Such questions must be asked if any meaning is to be elicited from the vital events data; comparisons of events are necessary to identify patterns of phenomena and situations for which intervention should be designed and implemented.

Care should always be taken that similarities or differences between events reflect the events themselves and not differences in identification, counting or definition. That is, only standardized definitions, references, and descriptions can assure valid comparisons. The following definitions and procedures used by the Office of Health Statistics in Massachusetts conform wherever possible to those of the National Center for Health Statistics.

This federal agency receives, compiles, and publishes vital statistics from each state, and is concerned with standardization which permits comparisons:

LIVE BIRTH: A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTH WEIGHT: Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.

MATURE BIRTH WEIGHT: Weight at delivery which equals or exceeds 2501 grams.

IMMATURE BIRTH WEIGHT: Weight at delivery of 2500 grams or less. Immaturity is used rather than prematurity (which connotes gestational age) because the latter is difficult to ascertain reliably.

ILLEGITIMATE BIRTH: A birth for which no information regarding the father appears on the birth record. Massachusetts law provides that when parents are not married, data for the father are not recorded; and further, the record is impounded and is therefore not a public document.

INFANT DEATH: Death of a person whose age is less than one year.

NEONATAL DEATH: Death of a person whose age is less than 28 days.

FETAL DEATH: A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movements of the voluntary muscles.

In Massachusetts the law requires that only those fetal deaths of 20 or more weeks gestation be recorded; therefore, the fetal deaths referred to in this report are of that gestational age. In this report use is made of infant, neonatal and fetal deaths occurring only to Massachusetts residents.

CAUSE OF DEATH: The underlying condition which gives rise to a series of events leading to death. The code used for identifying cause of death is the 8th Revised Edition of the International Classification of Disease, and the rules for applying the code are promulgated by the National Center for Health Statistics. (The 8th Revision was adopted by Massachusetts in 1969; care, therefore, should be used when comparisons of causes of death span two somewhat different sets of codes).

RACE: The mother's response to the question of her own and her husband's racial identity. The race of the baby is determined by consideration of the race(s) of the parents.

COLOR: This term is supposed to be synonymous with race. It appears on the death certificate currently in use, and the response is supplied by an informant (relative of the deceased, funeral director, or other). Since it is the term used, "color" appears in certain death tables contained in this report.

RESIDENCE: The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother. In Massachusetts, residence refers to one of the 351 towns or cities having a town/city clerk.

OCCURRENCE: The place where the event actually happened. In Massachusetts, place will be one of 351 towns/cities (see above).

MEDIAN: A statistical measure of central tendency. It is the midpoint of a linear distribution; that is, half of the values are more and half are less than the median value.

RATE and RATIO: Each of these is an expression of the relationship of one number divided by another. When one number is divided by another the result is a ratio. Usually the term ratio is used when the numerator is larger than the denominator; for instance, female/male sex ratio of 2 means the number of females is twice as many as that of males.

In vital statistics, the term rate is frequently used to indicate the relationship between the number of events and the population exposed to the risk of the event. In such a case, the number of events (numerator) is usually smaller than the population (denominator), and the relationship is less than unity, i.e., a proportion. If it is multiplied by 100, it is a per cent; but most often it is multiplied by 1000 and expressed as a rate per 1000 population.

An absolute distinction between the two terms is not possible because of inconsistencies in vital statistics terminology. However, this does not preclude their use; rather, it underlines the need to clarify what is in the numerator and denominator of a relationship and the purpose for which the relationship is computed. The rates/ratios used in this report are as follows:

CRUDE RATE: A particular event (such as live births, deaths, etc.) related to an entire population. Crude rates are the most easily computed and the most common descriptive measures used in vital statistics. They indicate in a general way variations between populations, but they are too broad to be used for specific interpretation.

INFANT MORTALITY RATE: The number of deaths of persons less than one year old per 1000 live births; the deaths and the births occur during the same period, which in this report is a calendar year.

NEONATAL MORTALITY RATE: The number of deaths of persons less than 28 days of age per 1000 live births occurring during the same calendar year.

FETAL MORTALITY RATE: The number of reported fetal deaths (and therefore of at least 20 weeks gestation) per 1000 deliveries, i.e., the sum of live births and fetal deaths occurring during the calendar year.

SPECIFIC RATE: A rate is 'specific' when it is defined in terms of a population's particular characteristics; that is, when it is used to describe the experience of a defined segment of the population. The most commonly used segments are age and sex groups. An AGE-SPECIFIC DEATH RATE, for example, is the number of deaths in a given age group divided by the total number of persons in that particular age group. Another example of a specific rate is the GENERAL FERTILITY RATE (RATIO) which relates number of live births to a specific class of women of childbearing age (15 through 44 years).

ADJUSTED RATE: This is the most useful rate for evaluating trends and for comparing rates between areas which have different population compositions. Usually the adjustment is made for age and sex because populations often vary in respective proportion of these groups.

Adjusting a rate involves computing the current specific rates (of population segments) of an event and applying them to the appropriate segments of a standard population.

This gives the number of events per segment that would result if the current rates prevailed; the sum of these events is the number that would occur in the total standard population. This sum divided by the standard population is the adjusted rate. Thus, the age-specific death rates of Massachusetts and the nation in 1970 could each be applied to a standard population; the number dying at Massachusetts' rates could be compared to the number dying at the nation's rates, regardless of whether one area has a greater proportion of older persons than the other.

The standard population most often used for adjusting rates is the population enumerated in 1940. The census date does not matter when two geographic areas are compared, but it does matter when the purpose is trend analysis: in such an instance there is a need to remove the influence of changes in population composition, even within a single geographic unit.

As noted above, the adjustment of rates requires 'current' specific rates, and these in turn require a reliable population count in the denominator. In Table 7B in the main body of this book, the age-sex-color specific rates for cause of death are based upon the 1970 federal census of persons in Massachusetts. Table 7A shows the numbers of deaths (numerator) in each category, and Table 13 gives 1970 census counts (denominator) by age and sex group. The use of 1970 population data permits comparison of geographic units for which age-sex populations are available. The events reported occurred in 1975, but the changes in age-sex proportions since the federal census are not considered to be enough to invalidate such comparisons.

One remaining area of concern which affects the comparability of vital statistics information is the quality of the original data reported on the certificates. The Commonwealth has no real control over the responses given to such items as age, residence, and race, for example. This is not to suggest that these variables are meaningless for classifying the data, rather that some error may be present and that absolute certainty is not implied by statements made herein.

Finally, regarding the format of this report: separate sections contain data for, and some discussion of, Natality (including Fetal and Infant Deaths), Mortality, Marriages, and Divorces. These sections are followed by Tables 1-12, which contain the tabulated data on 1975 vital events. These have been selected and arranged to provide a maximum of general utility. The Appendix includes a title-list of unpublished tables which are available upon request from the Office of Health Statistics.

A general impression of the rates of occurrence of certain vital events in Massachusetts, New England, and the United States is conveyed by Table A on page 9, which gives the crude rates of events occurring within the respective boundaries.

These figures are compiled from the Monthly Vital Statistics Reports (Annual Summaries), 1970 through 1975, published by the National Center for Health Statistics, Rockville, Maryland. They indicate the general magnitude of the number of events occurring per 1000 population in the geographic units. Occurrence rates differ from residence rates, but they can be used to compare trends in the areas. In general, the trends are similar in that there has been a decrease since 1970 in all the events except divorces. (Divorce rates for New England are unavailable).

TABLE A
Crude Occurrence Rates of Vital Events
Massachusetts, New England, United States
1970 through 1975

	<u>Massachusetts</u>						<u>New England</u>						<u>United States</u>					
	70	71	72	73	74	75	70	71	72	73	74	75	70	71	72	73	74	75
Births	16.4	15.7	13.3	12.7	12.4	11.8	16.9	15.7	13.8	12.9	12.6	12.0	18.2	17.3	15.6	14.9	14.9	14.8
Deaths	9.9	9.9	9.9	9.9	9.7	9.6	9.6	9.6	9.6	9.6	9.4	9.1	9.4	9.3	9.4	9.4	9.2	9.0
Infant Deaths	16.4	17.1	17.4	15.6	14.2	13.4	16.8	16.6	17.0	15.4	14.5	13.8	19.8	19.2	18.5	17.7	16.7	16.1
Marriages	8.3	8.4	8.2	8.0	7.6	7.2	8.8	8.8	8.8	8.8	8.3	7.9	10.7	10.6	10.9	10.9	10.5	10.0
Divorces	1.9	2.2	2.5	2.5	2.8	2.8	Data Unavailable						3.5	3.7	4.0	4.4	4.6	4.8

Note: These rates are graphically compared in Figure 1.

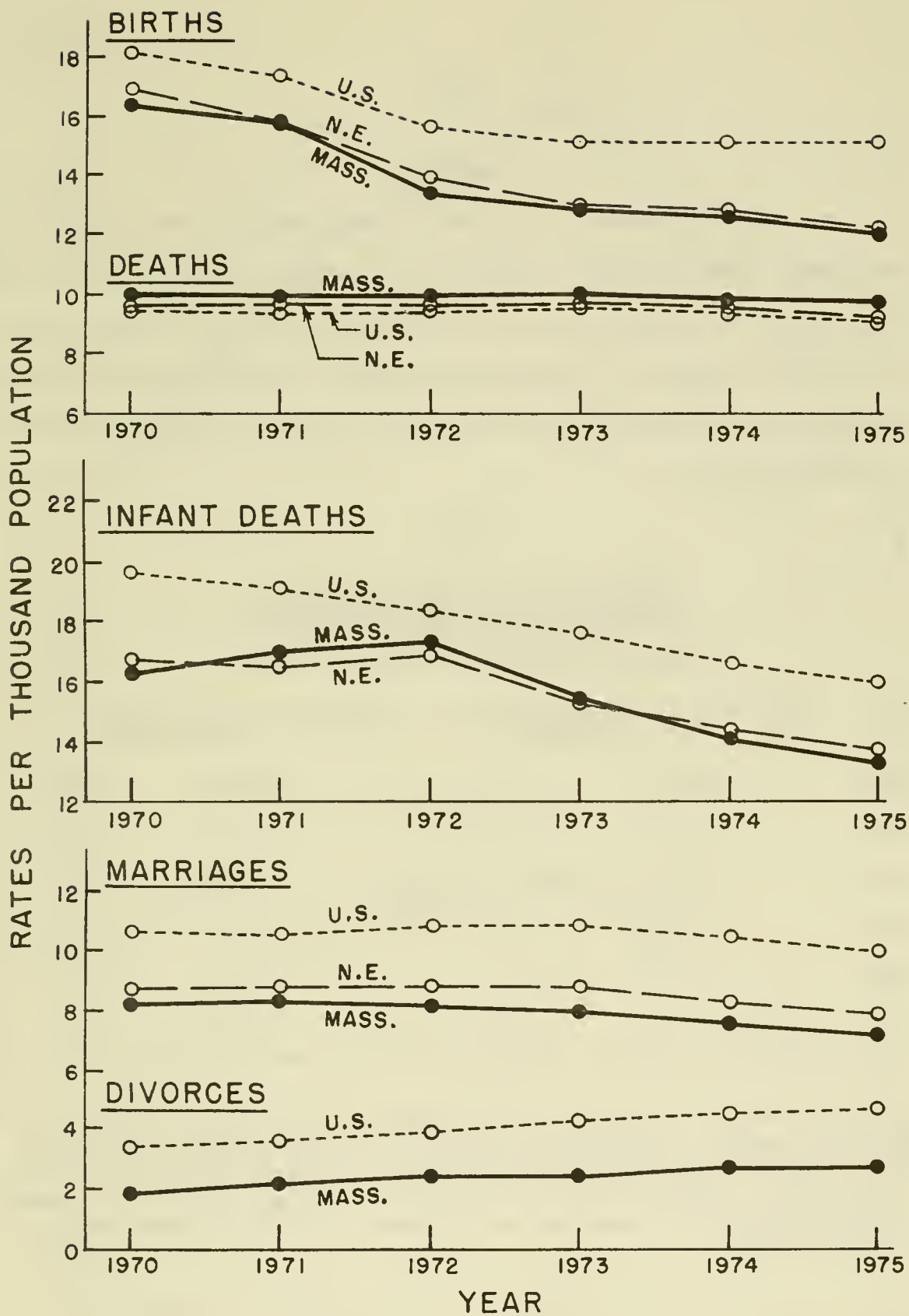


FIGURE 1: Comparison of Crude Occurrence Rates for Massachusetts, New England, and United States 1970-1975

NATALITY

The number of births to residents of Massachusetts, and the nation, continued to decline in 1975. Regrettably, an analysis of the factors which may affect the decreasing birth rate lies beyond the scope of this report. Consideration, however, of the birth and general fertility rates in Massachusetts and the United States over the past 35 years reveals a similarity in trend (Table B).

TABLE B

Crude Birth and Fertility Rates for
Massachusetts and the United States
1970-1975

(See pp. 5-7 for definitions of rates).

<u>Year</u>	<u>Crude Birth Rate</u>		<u>Fertility Rate</u>	
	<u>Mass.</u>	<u>U.S.</u>	<u>Mass.</u>	<u>U.S.</u>
1940	15.1	19.4	62.3	79.9
1950	20.4	24.1	90.5	106.2
1960	22.1	23.7	112.3	118.0
1970	16.4	18.2	80.2	87.9
1975*	11.8	14.8	52.5	66.7

*The U.S. rates are taken from publications of the National Center for Health Statistics; the 1975 rates are based upon provisional totals for the nation and estimates of the population. The Massachusetts birth rate is based upon a 1975 population of 5,790,478 reported by the state census; the fertility rate is based upon an estimate of 1,296,000 women aged 15 through 44 years.

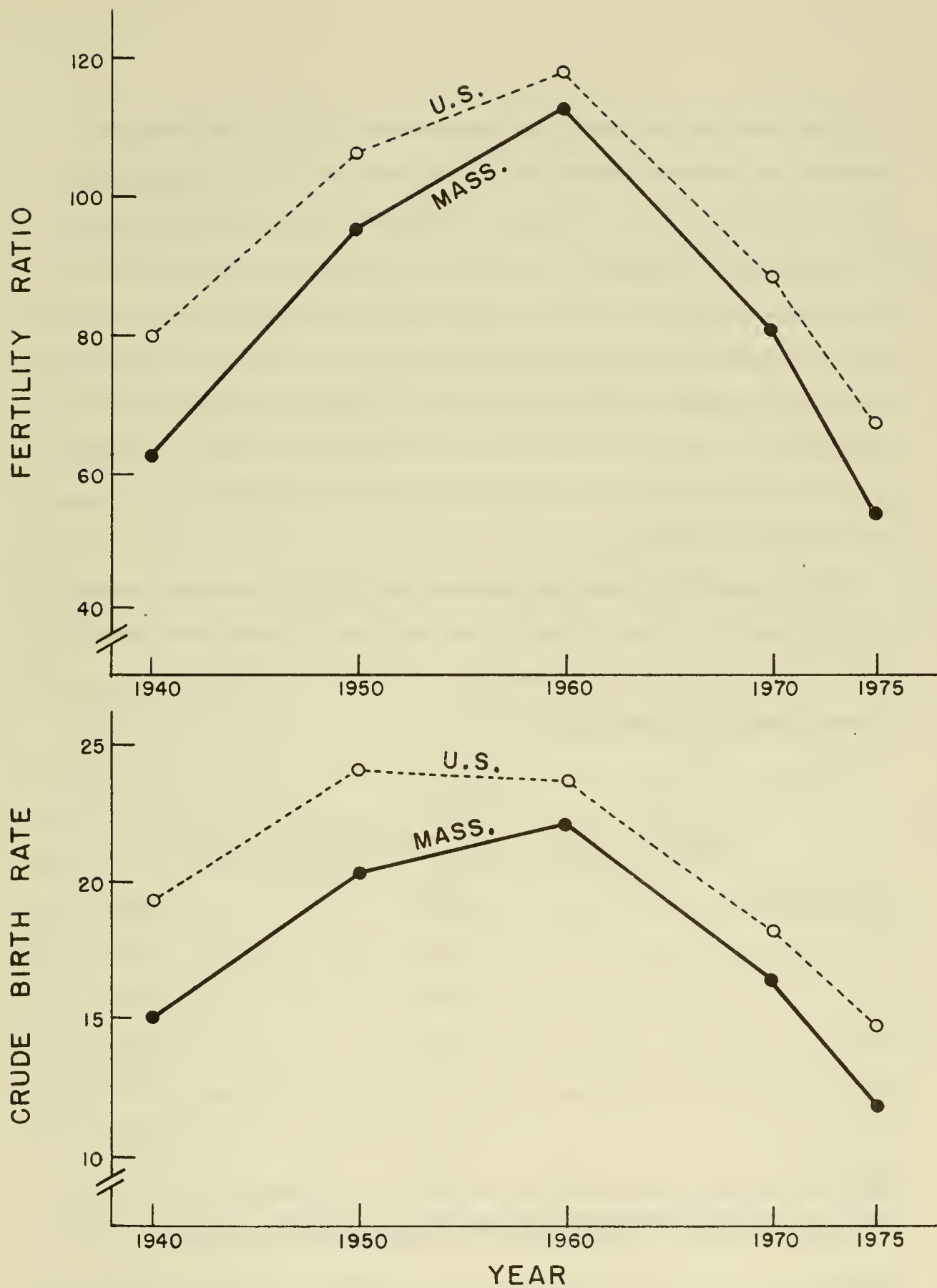


FIGURE 2: Crude Birth Rates and Fertility Rates, Massachusetts and United States 1970-1975

For each rate in Table B the Massachusetts value is less than the nation's, but the same pattern exists for both the state and the country, as is portrayed in Figure 2 on page 13. In 1970 the National Center for Health Statistics referred to the increasing proportion of women of child-bearing age and predicted that the annual number of births would soon increase, "unless the fertility rates fall well below their present levels"; if the total births in the United States in 1975 were 3,500,000, "the fertility rate's decline would represent a marked departure from past experience".* Provisional data for 1975 indicate that the number of the country's births was 3,149,000.**

The sharper decrease in the general fertility rate of Massachusetts is accounted for by the declines in the age-specific birth rates shown in Table C. (These rates are the numbers of births per 1000 mothers in specified age groups for given years).

TABLE C

Age-Specific Birth Rates of Massachusetts Mothers

<u>Age of mother</u>	<u>1970</u>	<u>1975</u>
15-19 years	39.1	29.3
20-24 "	136.9	77.6
25-29 "	154.8	99.8
30-34 "	85.7	54.9
35-39 "	38.2	19.8
40-44 "	9.3	4.9

*Natality Statistics Analysis, United States, 1965-1967. National Center for Health Statistics; Series 21, No. 19, Rockville, Md. May, 1970.

**Monthly Vital Statistics Report, Annual Summary for the United States, 1975; National Center for Health Statistics; Vol. 24, No. 13. June 30, 1976.

These data suggest that, despite an increasing proportion of Massachusetts women aged 15-44 years, an increase in the annual number of resident births in the near future is unlikely.

The age-specific births necessary for calculating Massachusetts fertility rates can be found in Table 3 in the report itself. This table is also the source of information characterizing the mothers by age and marital status and the babies by weight. The median age of all mothers in 1975 was 25.9 years, up slightly from the median of 25.5 years in 1970; the percentage of teen-aged mothers increased from 11.0 to 12.7 during that period; the percentage of illegitimate births increased also, from 7.2 to 10.3. The median birthweight and the percentage of immature birthweights were 3327 grams and 6.9, respectively, in 1975; in 1970 the totals were 3298 grams and 7.4.

The point of interest here is not the slight change in these measures since 1970 but the marked contrast between wed and unwed mothers and their babies. In 1975 the median age of married mothers was 26.4 years as compared to 20.4 years for unmarried mothers; teen-agers were 8.8 per cent of the former and 47.3 per cent of the latter. Further examination of Table 3 shows that a relationship between marital status and birthweight exists. Among married mothers less than 20 years old, the median birthweight was 3266 grams and the per cent of immature births was 8.5; among the unmarried mothers of the same age group, the median birthweight was 3165 grams and the per cent of immature births was 12.2.

Factors such as mother's marital status and age, and weight of baby are interrelated and can have a bearing upon the problem of providing care for unwed mothers and their babies.

An unpublished table gives information found in Table 3 for each of the areas served by the new Health Systems Agencies. A set of relevant data for unwed mothers is presented in Table D for comparison among the six areas and the State.

TABLE D

<u>Unwed Mothers</u>	<u>Health Service Areas</u>						
	<u>State</u>	<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>
Per cent of <u>all</u> mothers	10.3	10.9	9.3	9.1	11.6	8.4	7.3
Median age (yrs.)	20.4	19.7	19.8	19.9	20.5	20.0	20.5
Median weight of baby (grams)	3181	3183	3172	3214	3115	3186	3196
Immature babies; per cent of ill- legitimate births	11.9	12.0	13.7	11.3	12.6	12.1	11.1
Mothers less than 20 years old; per cent of unwed	47.3	53.4	52.1	50.9	46.6	49.9	46.2

With regard to infant mortality both Massachusetts and the nation improved over the 1970-1975 period. Data from Table 2 in the report and information available from the National Center for Health Statistics permit the comparisons in Table E of deaths per 1000 live births during the calendar years of 1970 and 1975. (Note that the fetal death rate includes fetal deaths and live births in the denominator).

TABLE E

Mortality Rates Among Infants

<u>Deaths</u>	<u>Massachusetts</u>		<u>United States</u>	
	<u>1970</u>	<u>1975</u>	<u>1970*</u>	<u>1975**</u>
Fetal	11.4	9.5	14.0	----
Neonatal	13.2	10.0	15.1	11.8
Infant	16.9	13.3	20.0	16.1

*Vital Statistics of the United States, 1970; Vol. II-Mortality; Part A. National Center for Health Statistics. 1974

**Monthly Vital Statistics Report, ibid.

To avoid the tendency of treating neonatal and infant mortality as two independent phenomena, the obvious should be stated, i.e., about three-fourths of the infant deaths are neonatal. Data from Table 2C has been used to prepare Table F, in which mortality rates for the state and the six Health Service Areas are presented. The post-neonatal mortality rate is the difference between the infant and neonatal death rates, and it is included to emphasize its existence.

TABLE F

1975 Neonatal, Post-neonatal, and Infant Mortality Rates
(Deaths per 1000 live births)

<u>Deaths</u>	<u>Health Service Areas</u>						
	<u>State</u>	<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>
Neonatal	10.0	9.1	8.4	10.1	9.7	11.3	11.4
Post-neonatal	3.3	3.0	4.0	2.6	3.1	4.2	2.6
Infant	13.3	12.1	12.4	12.7	12.8	15.5	14.0

The goal of many public and private agencies is to prevent fetal, neonatal, and infant deaths where possible, through adequate prenatal care for

expectant mothers and access to proper facilities and care for the babies. The three types of deaths—fetal, neonatal, and post-neonatal—differ with respect to underlying causes, as well as other factors, including the patient, the means of intervention, facilities and personnel involved, etc. Answers to all questions cannot be provided by vital statistics, which has knowledge of only the unsuccessful attempts to save young lives. However, it has always been necessary to know the extent to which these events are occurring, and where, in the state.

Information from Tables 6 and 9 has been brought together to show the leading causes of fetal, neonatal, and post-neonatal deaths, and these causes, with their respective percentages, are listed in Table G below.

TABLE G
Per Cent of Total Deaths Due to Cause by Type of Death
(Total deaths in parentheses)

<u>Cause</u>	<u>Fetal</u> (653)	<u>Neonatal</u> (678)	<u>Post-neonatal</u> (225)
Congenital anomalies	6.1	16.8	25.3
Conditions of placenta, umbilicus; hemolytic disease	42.7	9.7	0.4
Anoxia/hypoxia	17.5	29.6	2.7
Termination of pregnancy	8.3	0.0	0.0
Immaturity	4.3	17.0*	0.0
Sudden Infant Death Syndrome	---	0.7	23.1
Respiratory disease	---	1.9	20.9

(These percentages do not add to 100.0 because this is a list of selected, not exhaustive, major causes).

*Neonatal deaths due to immaturity include some abortions, the exact number are available upon request.

When the conditions of the placenta and the umbilical cord are deleterious, or hemolytic disease is present, the victim is usually the fetus. Lack of enough oxygen (anoxia, hypoxia) also caused a significant number of fetal deaths.

Abortions are legal in Massachusetts and the numbers performed are reported monthly by hospitals to the Office of Health Statistics. Semi-annual compilations of the numbers of abortions performed per facility are available to the public.

About one-fourth of the neonatal deaths caused by congenital anomalies were due to neural-tube defects, i.e., anencephaly, spina bifida, and congenital hydrocephaly. Many of the congenital malformations of the heart and other major systems can be corrected surgically, although no data are available to indicate how many lives have been saved by this procedure. The leading cause of neonatal deaths was anoxia/hypoxia conditions, accounting for 30 per cent of the total. In 1970 these conditions caused the deaths of 35 percent of the 56,279 neonatal deaths in the United States; and 96 percent of the anoxia/hypoxia deaths occurred during the first week, while presumably, the baby was still in the hospital.

The leading cause of death among post-neonatal fatalities was the still unexplained "sudden infant death syndrome". Since these babies were at least one month old, presumably most of them had gone home from the hospital of birth. The other major cause of post-neonatal death was respiratory conditions/diseases. In 1970 among 352 post-neonatal deaths in Massachusetts, almost 45 per cent were due to respiratory problems; in 1975 the comparable percentage was 21, indicating that efforts to counter this particular cause of death are encouragingly successful.

These facts are presented simply as information and as exemplifying data available from the Office of Health Statistics. Implications for further research and/or program development are left to professionals with the proper expertise.

MORTALITY

The death rates for residents of Massachusetts and the United States have both declined since America's entry into World War II. Table H below shows similar trends for the state and the nation.

TABLE H

Death Rates (Deaths per 100,000 Population)

Massachusetts and United States

1940-1975

Year	<u>Crude Rates</u>		<u>Age-Adjusted Rates</u>	
	<u>Massachusetts</u>	<u>United States</u>	<u>Massachusetts</u>	<u>United States</u>
1940	11.7	10.8	10.3	10.8
1950	10.7	9.6	7.8	8.4
1960	11.0	9.5	7.5	7.6
1970	10.0	9.5	6.8	7.1
1975	9.3	9.0	6.0	Not Available

(See introduction, p.p. 6-7, for definitions of crude and age-adjusted death rates. The rates for Massachusetts are calculated from data in previous Annual Reports of Vital Statistics; those for the United States are from Vital Statistics of the United States, 1970; Vol. II-Mortality, Part A, National Center for Health Statistics, Rockville, Md. 1974).

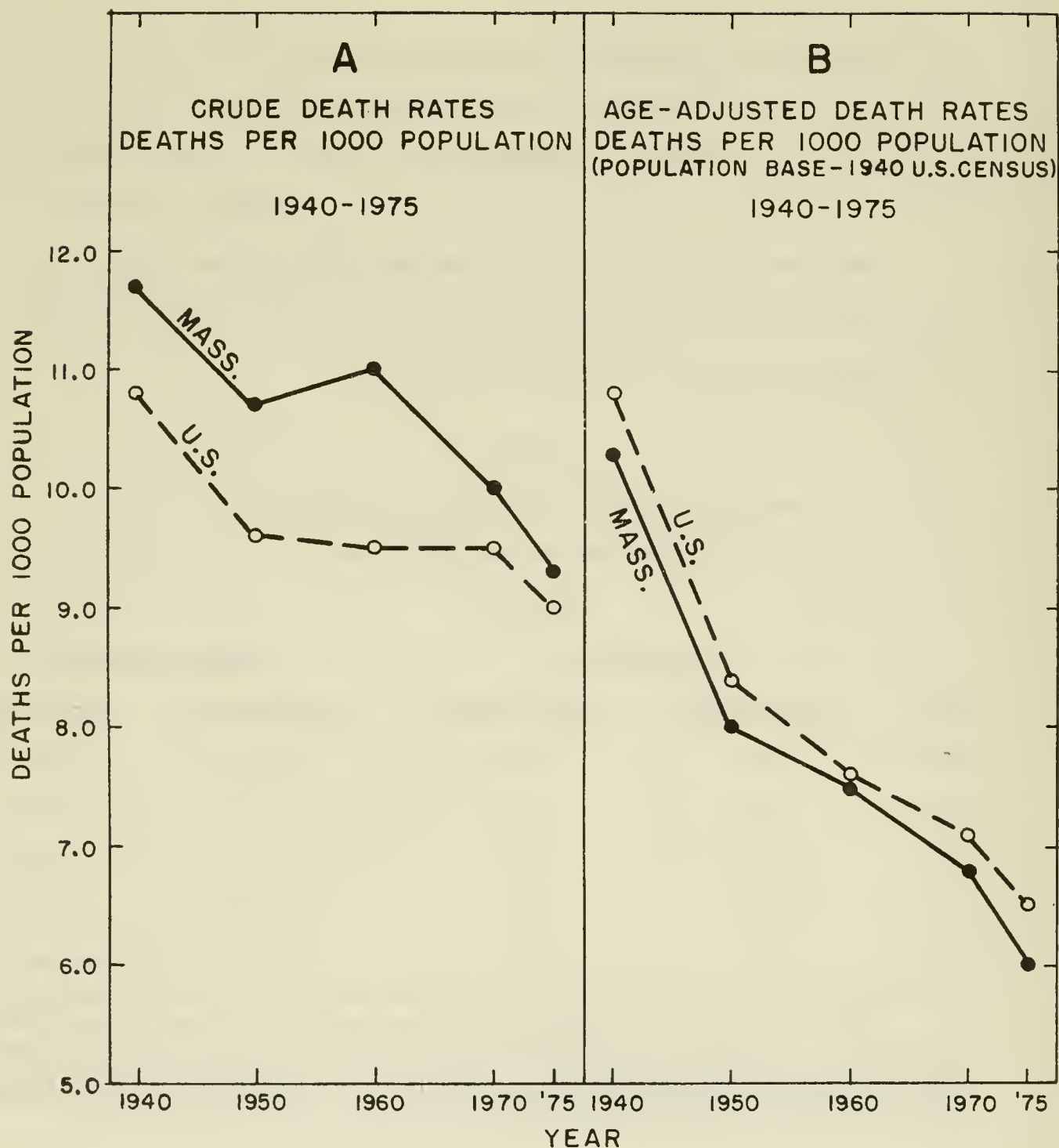


FIGURE 3A: Crude Death Rates per 1000 Population, Massachusetts and the United States, 1940-1975

FIGURE 3B: Age-Adjusted Death Rates per 1000 Population, Massachusetts and the United States, 1940-1975

These data also demonstrate the importance of refined (age-adjusted) rates to avoid the unwarranted inferences which can be drawn from crude rates. Figure 3A (page 22) illustrates clearly that a higher percentage of Massachusetts' residents die annually than is true for the nation. The lower age-adjusted Massachusetts death rates shown in Figure 3B, however, suggest that death actually was delayed more effectively in the state; that is, the greater proportion of this state's residents' dying was due to a larger proportion of residents likely to die. There are two age groupings among whom the risk of dying is high: the very young (infants) and the elderly. Massachusetts has consistently had a slightly greater proportion of older persons than the nation as a whole. Comparisons of proportions of age-groups in the populations of Massachusetts and the United States are shown in Figure 4: they reveal that Massachusetts has had a larger percentage of persons over 40 years of age, but that by 1975 the percentages were nearly equal for each group. The Massachusetts rate of deaths, however, has been lower for each age category below 65 since 1940, and in 1975 the rate in Massachusetts was lower than the nation's for the over 65 group as well (see Figure 5).

Generally then, for both the state and the nation, death rates have followed a decreasing trend. Inasmuch as Massachusetts ranks above the nation's average in several socioeconomic categories, the state's lower age-specific death rates are not surprising.

The population can be expected to age proportionately over the next few years. The marked decrease in the number of births in Massachusetts since 1970 lowers the percentage of children and youths in the population and this, conversely, increases the average age of the population.

It follows that the leading causes of death may be expected to remain the same, since they take their toll generally among older persons. The ten leading causes of death in Massachusetts and the United States for 1975 and 1970 are listed, with respective percentages of total deaths, in Table I below. Little difference will be found between the state and the nation over the 1970-1975 period.

TABLE I

Leading Causes of Death: Massachusetts and United States - 1975, 1970

	<u>1975</u>				<u>1970</u>			
	<u>Mass.</u>		<u>U.S.</u>		<u>Mass.</u>		<u>U.S.</u>	
	<u>Per cent</u>	<u>Rank</u>	<u>Per cent</u>	<u>Rank</u>	<u>Per cent</u>	<u>Rank</u>	<u>Per cent</u>	<u>Rank</u>
Heart Disease	39.3	1	37.8	1	40.2	1	38.3	1
Cancer	21.6	2	19.5	2	18.6	2	17.2	2
Stroke	9.6	3	10.2	3	10.1	3	10.8	3
Accidents	4.3	4	5.3	4	4.2	5	6.0	4
Influenza/ pneumonia	4.0	5	3.0	5	4.4	4	3.3	5
Diabetes mellitus	1.9	6	1.9	6	2.2	6	2.0	7
Cirrhosis of liver	1.9	7	1.7	7	2.0	7	1.6	9
Arterio- sclerosis	1.4	8	1.5	8	1.5	10	1.6	8
Bronchitis, emphysema, asthma	1.1	9	1.3	11	1.6	9	1.6	10
Suicide	<u>1.1</u>	10	<u>1.4</u>	10	<u>0.9</u>	11	<u>1.2</u>	11
	100.0		100.0		100.0		100.0	
All others	13.8		16.4		14.3		16.4	

(The 11th ranking cause in Massachusetts in 1975 was "Certain Causes of Perinatal Mortality" which accounted for slightly less than one per cent

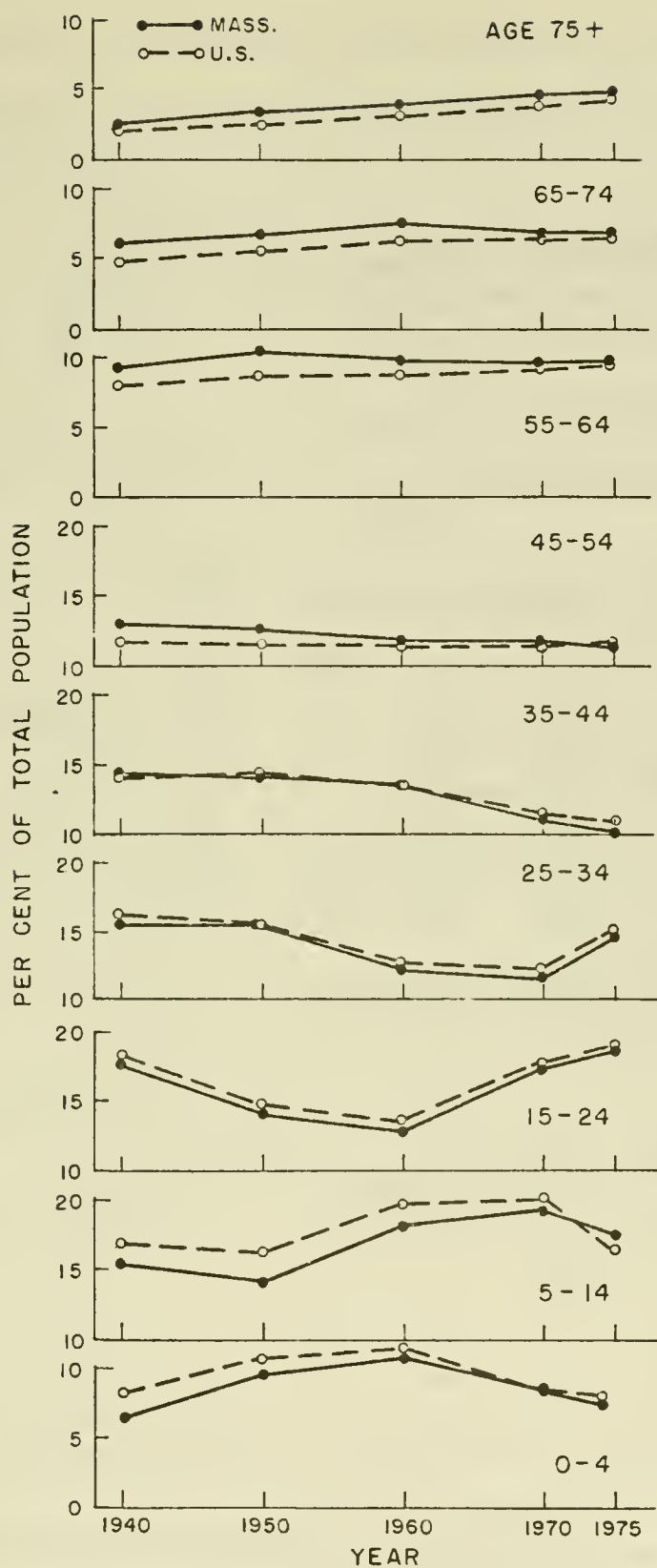


FIGURE 4:

Age Groups as Percentages of Total Population, Massachusetts and the United States, 1940-1975

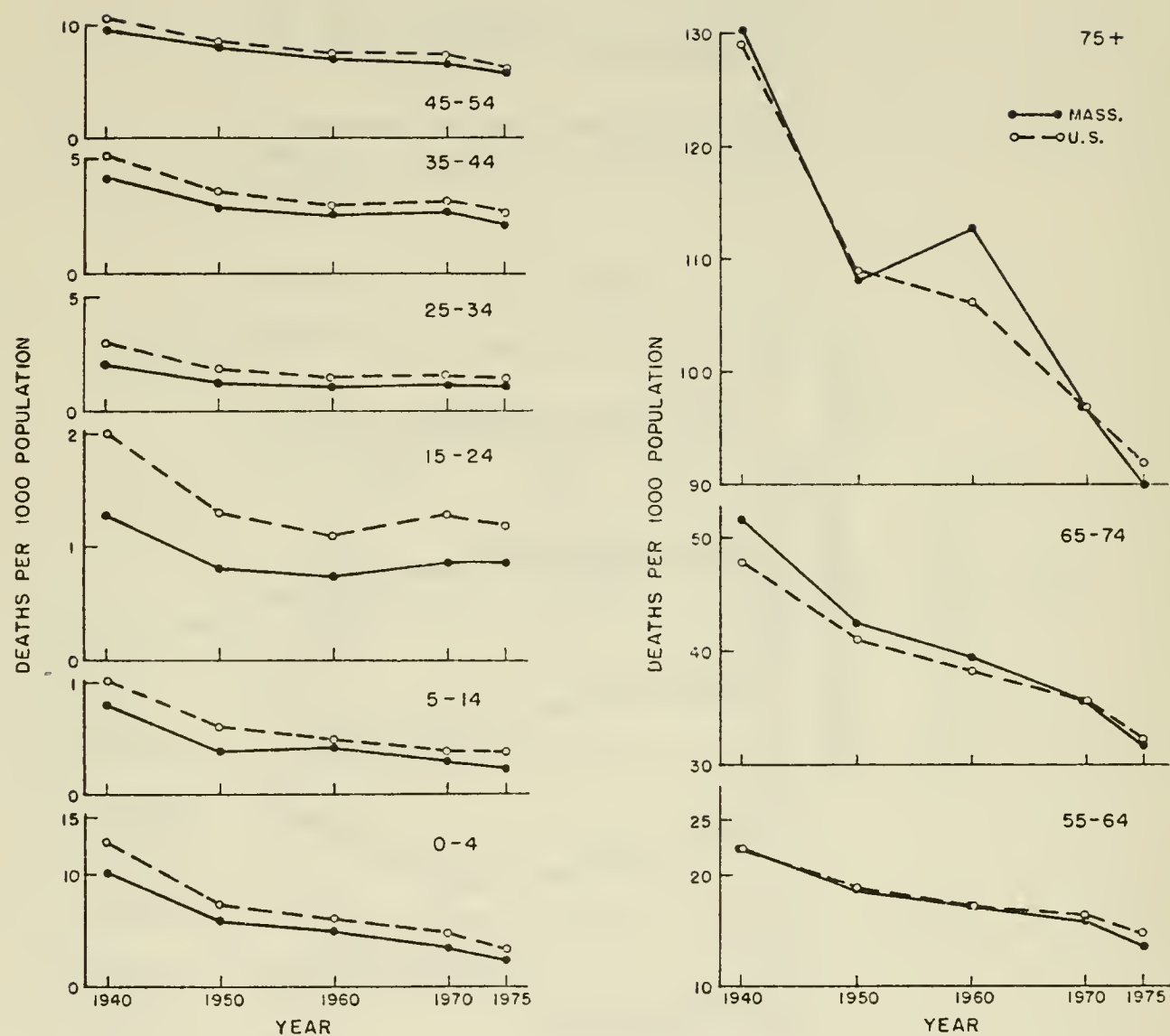


FIGURE 5: Death Rates per 1000 Population by Age Group, Massachusetts and the United States, 1940-1975

of the total deaths. It was the 9th ranking cause for the nation in 1975. In 1970 this particular set of causes ranked eighth in Massachusetts and sixth in the United States).

Table J, the leading causes of death in 1975 ranked in the six Massachusetts Health Service Areas, is derived from data found in Table 8C of the main body of this report.

TABLE J

Leading Causes of Death: State and Health Service Areas

(Per cent of Total Deaths in Area)

	1975						
	<u>Areas</u>						
	<u>State</u>	<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>
Heart Disease	39.3	38.5	41.7	40.7	38.5	39.5	39.3
Cancer	21.6	21.6	20.0	20.1	21.8	21.8	23.2
Stroke	9.6	10.6	9.6	10.0	8.6	10.3	10.1
Accidents	4.3	4.5	6.1	4.1	5.6	4.5	4.2
Influenza/ pneumonia	4.0	3.4	3.8	3.6	4.9	3.3	3.5
Diabetes mellitus	1.9	2.5	1.7	1.8	1.8	2.3	1.7
Cirrhosis of liver	1.9	2.0	1.9	2.0	2.0	1.9	1.9
Arterio- sclerosis	1.4	1.7	1.6	2.5	1.0	1.5	1.2
Bronchitis, emphysema, asthma	1.1	1.1	1.2	1.0	1.0	1.2	1.2
Suicide	1.1	1.0	1.0	0.8	1.1	1.2	1.0

("Certain Causes of Perinatal Mortality" ranked 9th in Area III and 10th in Area V.)

The obvious relationship between death and age has been mentioned. This relationship also holds between causes of death and age and is demonstrated by the change in leading causes of death as the population ages.

Among Massachusetts residents over 60 years of age, the leading causes of death in 1975 were heart disease, cancer, stroke, and respiratory diseases (mostly pneumonia) as can be seen in Table 9 of this report. Among decedents 1 to 30 years old, accidents were the leading cause of death, and suicide claimed the lives of 1 in 8 among the 15-29 year olds who died.

The median age of the 53,708 persons who died in Massachusetts in 1975 was 73.5 years. The median age, in ascending order, of those who died of the leading causes were: suicide, 42.2; accidents, 47.7; cirrhosis of liver, 58.9; bronchitis, emphysema, and asthma. 67.5; cancer, 69.7; influenza and pneumonia, 74.6; heart disease, 76.0; stroke, 79.7; and arteriosclerosis, 81.6.

This discussion has focused on the causes of death; that is, among those who died, what causes were responsible? Another obvious question is "What is the relation of these diseases/conditions to the population as a whole?" A preliminary answer is given by the crude cause-specific rates presented in Table K.

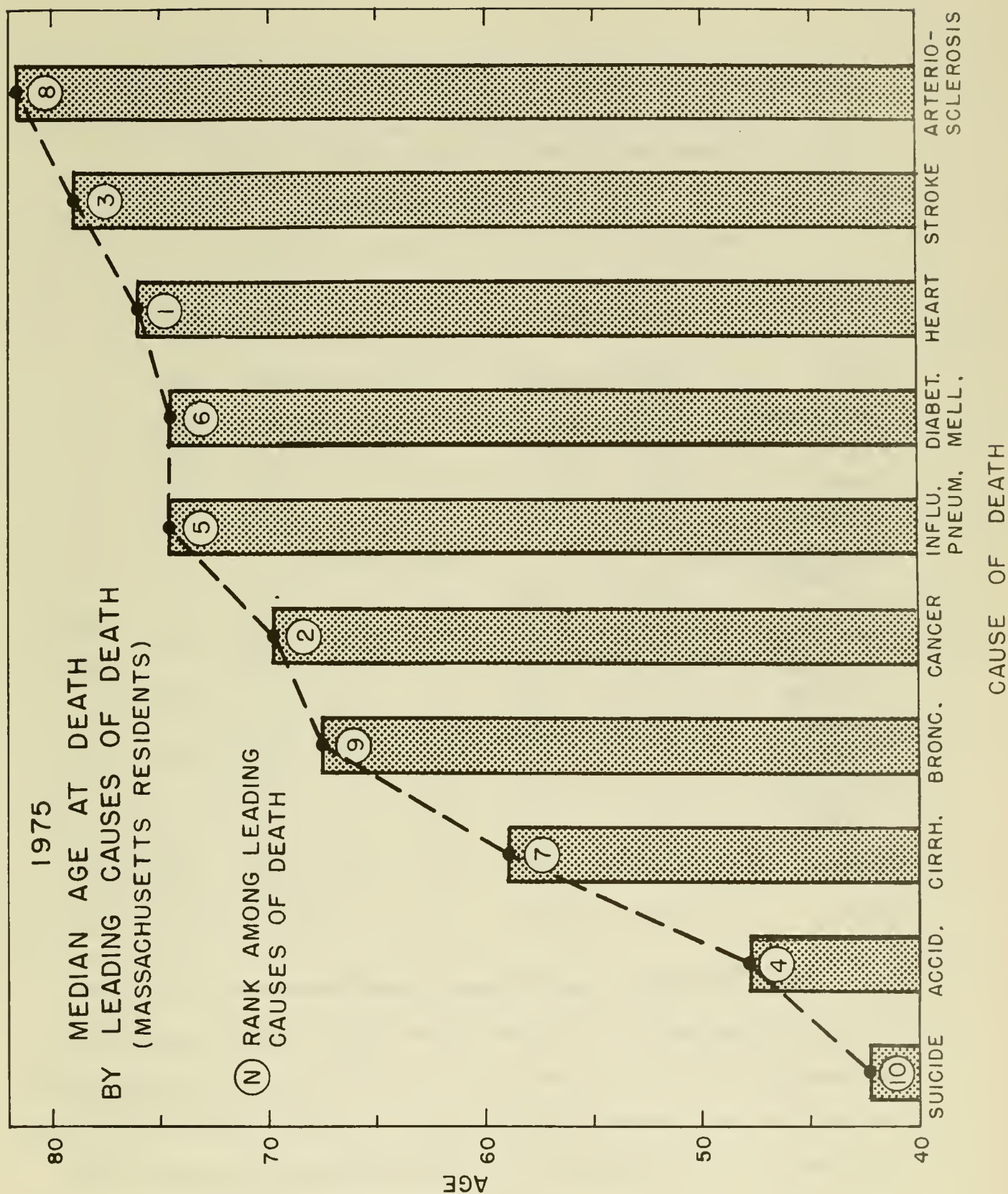


FIGURE 6:

Median Age at Death by Leading Causes of Death, Massachusetts, 1975

TABLE K

Crude Death Rates for Leading Causes of Death

(Death per 100,000 population)

Massachusetts and United States: 1975, 1970

<u>Cause</u>	<u>Massachusetts</u>		<u>United States</u>	
	<u>1975</u>	<u>1970</u>	<u>1975</u>	<u>1970</u>
Heart Disease	364.5	402.7	339.0	362.0
Cancer	200.3	186.2	174.4	162.8
Stroke	88.9	101.4	91.8	101.9
Accidents	39.9	42.0	47.6	56.4
Influenza/ pneumonia	37.4	43.7	27.0	30.9
Diabetes mellitus	18.0	21.7	16.8	18.9
Cirrhosis of liver	18.0	19.9	15.1	15.5
Arterio- sclerosis	13.0	15.5	13.7	15.6
Bronchitis, emphysema, asthma	10.1	15.6	11.9	15.2
Suicide	9.9	9.0	12.6	11.6
TOTAL	927.5	1000.9	896.1	945.3

These rates again reveal trends in Massachusetts and the United States which are similar. For eight of the causes, smaller proportions of the population died in 1975 than in 1970 for both the state and the country; the two consistent exceptions being cancer and suicide.. (These crude rates, using units of 100,000 population in the denominator, can be read as per cents by moving the decimal point 3 places to the left. Thus, in 1970 1.000 per cent of Massachusetts' population died; in 1975 heart disease killed .36per cent of the state's residents.)

While it is of interest to know that various causes are killing certain portions of the population, the immediate question becomes "What can be done about these death causes?" In this regard, a more meaningful measure of death is the age-adjusted cause-specific death rate, as presented in Table L.

TABLE L

Age-Adjusted Death Rates for Leading Causes of Death

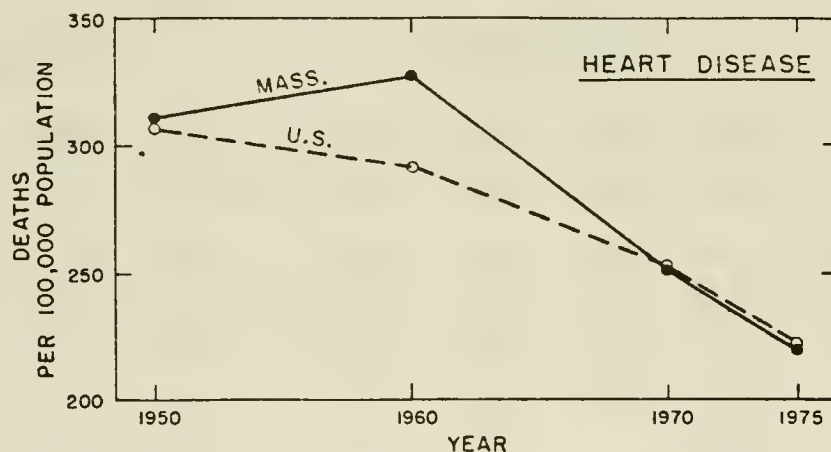
(Deaths per 100,000 population)

Massachusetts and United States: 1975, 1970, 1960, 1950

<u>Cause</u>	<u>MASSACHUSETTS</u>				<u>UNITED STATES</u>			
	<u>1950</u>	<u>1960</u>	<u>1970</u>	<u>1975</u>	<u>1950</u>	<u>1960</u>	<u>1970</u>	<u>1975</u>
TOTAL	796.0	753.6	675.3	597.9	841.5	760.9	714.3	653.7
Heart Disease	311.4	327.8	251.4	219.2	306.6	286.2	253.6	222.5
Cancer	135.1	135.0	133.5	137.0	125.4	125.8	129.9	132.7
Stroke	79.7	73.0	58.8	48.2	88.8	79.7	66.3	54.7
Accidents	41.6	36.3	36.0	33.3	57.3	49.9	53.7	43.9
Influenza, pneumonia	18.1	34.4	27.7	21.0	26.2	28.0	22.1	17.1
Diabetes mellitus	14.8	12.5	14.1	11.0	14.3	13.6	14.1	11.8
Cirrhosis of liver	11.0	14.5	17.8	15.8	8.5	10.5	14.7	14.0
Arterio- sclerosis	16.1	12.8	7.7	6.0		13.2	8.4	6.6
Bronchitis, emphysema, asthma			10.6	6.3			11.6	8.4
Suicide	8.5	7.9	9.4	9.7	11.0	12.2	11.8	12.6

The remainder of the discussion will treat in greater detail the relation of these major causes of death to the population.

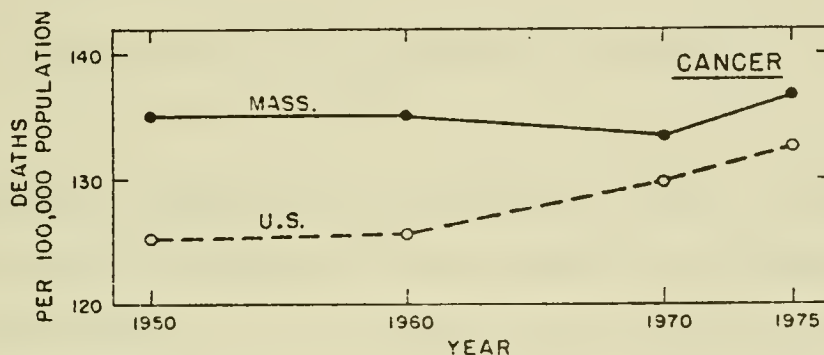
Diseases of the Heart. Heart disease is by far the leading cause of death in the nation and responsible in Massachusetts for approximately 38-40 per cent of all deaths. Since 1960 however the rate of death due to heart disease has been declining. In the nation the decrease in the age-adjusted death rate of 286.2 in 1960 to 222.5 in 1975 amounted to a drop of 22.3 per cent; in Massachusetts the decline was even more dramatic, dropping from 327.7 to 219.2, a decrease of 33.1 per cent.



The reduction in the heart-disease death rate has occurred in each age group over 40 years, but most noticeably among the older groups, particularly for those past 75 whose age-specific death rate for this cause fell 33.2 per cent from 1960 to 1975.

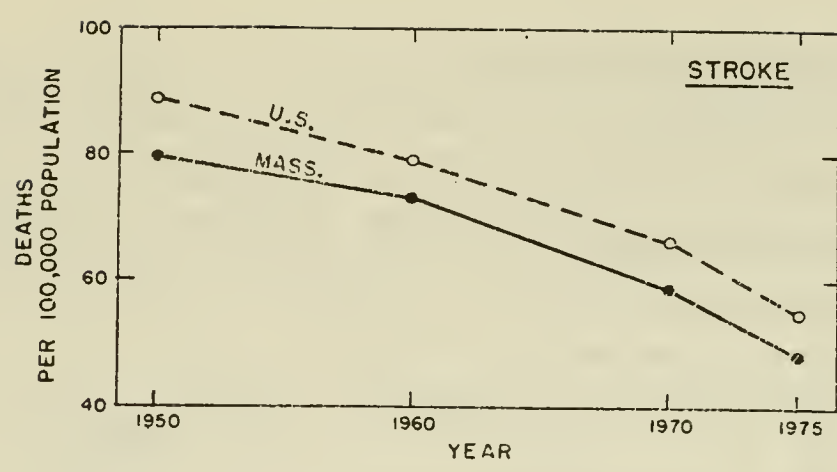
Yet, in spite of reduced rates, the actual number of heart deaths is not likely to decrease greatly in Massachusetts because of the aforementioned increase in the number of older persons in the Massachusetts population. Heart disease decedents, however, have been dying at a later age since 1960; the median age at death then was 73.9 years, and in 1975 it was 76.0 years.

Cancer (malignant neoplasms). Deaths due to cancer have been increasing steadily in the nation, up a little more than 12 per cent since 1950. In Massachusetts the age-adjusted cancer death rate dropped 1.1 per cent between 1960 and 1970, but the 1975 rate was 2.5 per cent greater than the rate of five years ago.



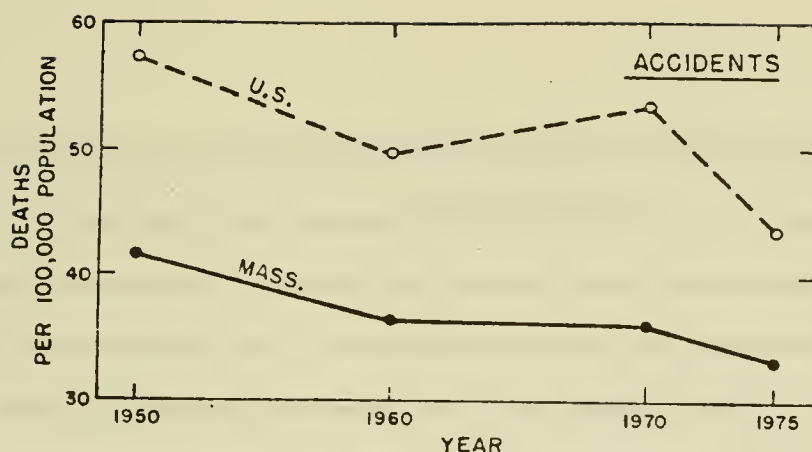
The effects upon specific age-groups were similar in the nation and the state; for those younger than 45 years, the rate decreased somewhat; for those 45 to 59, the rates were about the same; but for persons over 60, the death rate increased, particularly among those over 75 whose rate increased 11.3 per cent from 1970 to 1975. This is reflected in the increase in the median age of Massachusetts' cancer fatalities, from 67.8 years in 1960 to 69.7 years in 1975.

Stroke (cerebrovascular diseases). Mortality due to stroke has lessened in both the United States and in Massachusetts. The national age-adjusted death rate from this cause dropped between 1950 and 1975 from 88.8 per 100,000 population to 54.7, a decline of 38.4 per cent; in Massachusetts during the same period the rate fell 39.5 per cent, from 79.7 to 48.2.



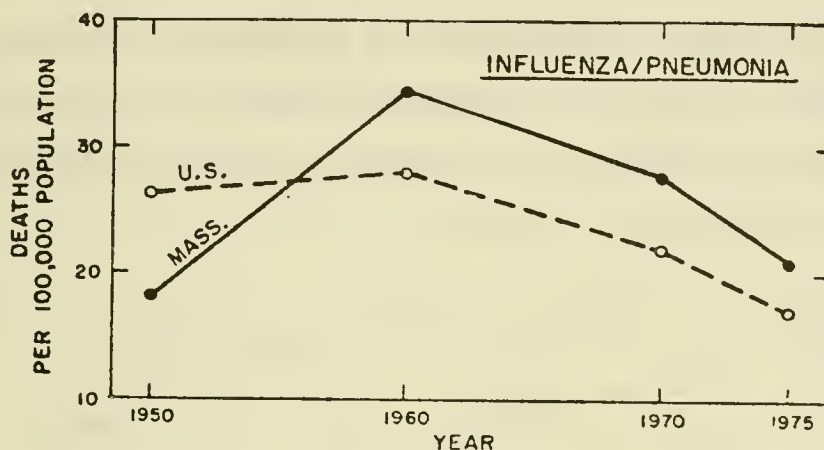
Rates for each of the age groups have declined in Massachusetts, especially among the 50-59 years olds. The median age of Massachusetts residents dying from stroke has increased from 76.5 years in 1960 to 79.7 years in 1975.

Accidents. Deaths due to accidents, particularly those involving motor vehicles, continue to be the fourth most numerous in Massachusetts and the nation. It is encouraging to note that age-adjusted death rates have been declining since 1950, more so in Massachusetts than in the nation as a whole, but the fact that accidents are preventable, and that the victims tend to be young, makes this particular cause of death a great concern. Since 1950 age-specific death rates due to accidents have dropped about 60 per cent among Massachusetts residents over 70 years old; and among children less than 5 years of age the rate has fallen about 64 per cent during the same period. But among persons 15 to 39 years old, a corresponding increase has occurred — 56.9 per cent, specifically. The age group 15 to 19 years deserves special attention: the accidental death rate for these teenagers has risen from 22.7 per 100,000 population in 1950 to 43.5 in 1975, an increase of almost 92 per cent!



The median age of accident victims in 1960 was 63.0 years; in 1975 it was 47.7 years. Of the 2310 accidental deaths occurring in Massachusetts in 1975, a little more than 38 per cent occurred to persons 15 to 39 years of age; and of the 2366 total deaths in that age group, 39 per cent were caused by accidents.

Influenza and Pneumonia. The general trend in mortality from influenza and pneumonia has been downward throughout the country. There was an increase in age-adjusted death rates between 1950 and 1960 for the nation, but the rise in Massachusetts seemed great primarily because of the remarkably low rate in 1950. Since 1960 the adjusted rate for the state has been slightly higher than that of the nation's, but the declining trends are almost identical.

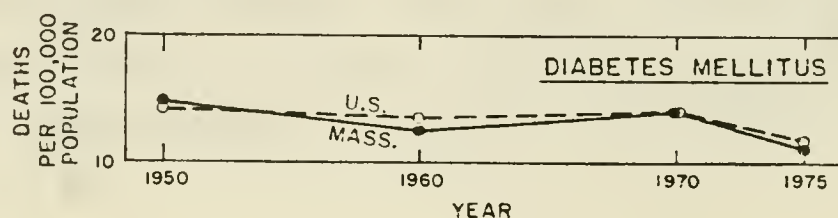


A precipitous decrease in the number of deaths caused by influenza and pneumonia occurred in the 1940s, largely as a result of the introduction of sulfa drugs in the thirties and antibiotics a few years later. Vaccines have been developed and are recommended for the protection of the elderly and other high-risk groups, such as those with chronic diseases, but vaccines have a relatively short-lived effect and offer little or no protection against a wholly new strain of influenza virus.

The grouping of influenza and pneumonia is not completely satisfactory, because the two diseases differ in their etiology, pathology, and clinical course. Influenza by itself has not been regarded as a fatal disease but rather as a debilitating infection which prepares the way for a secondary invader, most frequently, pneumonia. But for comparability over time and between geographic areas, the practice of combining the two diseases has been recommended and continued by the National Center for Health Statistics, even though the number of deaths actually caused by influenza is almost negligible compared to that due to pneumonia.

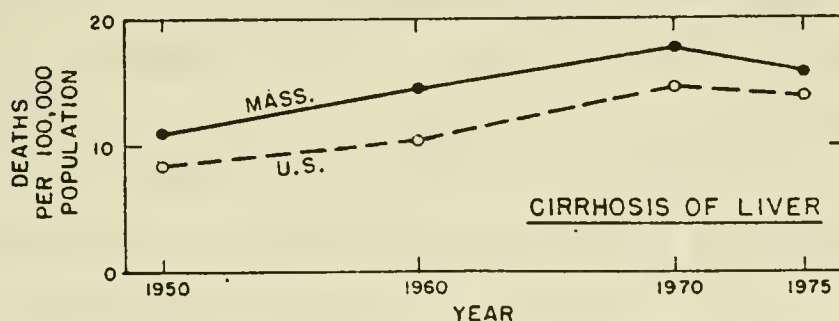
The median age of those dying from influenza/pneumonia in Massachusetts has not changed dramatically, hovering around 74 years.

Diabetes mellitus. The death rate due to diabetes fluctuated within a fairly narrow range and approximated 14 deaths per 100,000 population for both the United States and the Commonwealth until 1970. Between that year and 1975 age-adjusted rates have declined 16.3 per cent in the nation and 22.0 per cent in Massachusetts.



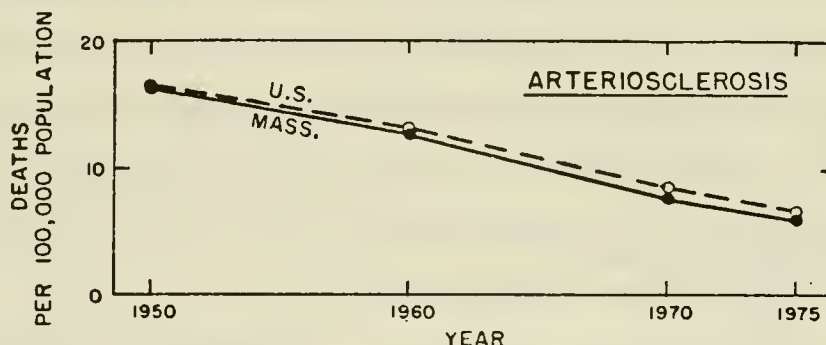
In both populations diabetes mellitus accounted for approximately 2 per cent of all deaths. Age-specific diabetes death rates declined between 1970 and 1975 in Massachusetts for all age groups over 40 years of age except 60-64 year-olds. The sharpest drop, 33 per cent, occurred among persons 70-74 years of age, from 130.8 per 100,000 to 87.8. The median age of Massachusetts decedents rose from 72.3 years in 1960 to 74.6 years in 1975.

Cirrhosis of the liver. The U.S. death rate for this cause rose slowly from the mid-thirties to peak in 1973 at an adjusted rate of 15.0 per 100,000. The age-adjusted rate for Massachusetts has exhibited the same trend, although a slightly higher proportion of this state's residents have succumbed to cirrhosis of the liver than has been true for the rest of the nation.



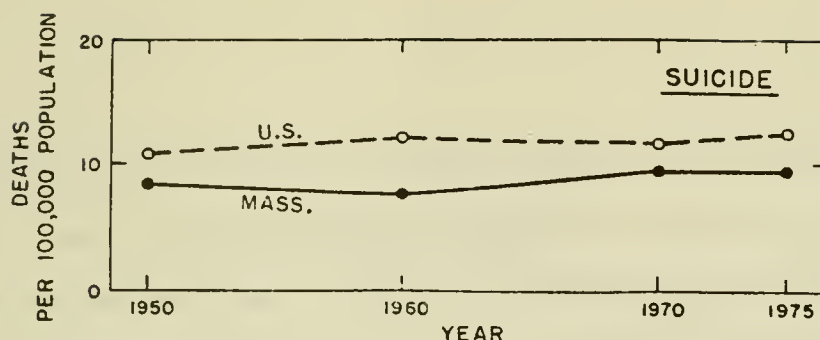
For age groups under 25 years, cirrhosis is a minor cause of death, but with increasing age the rate rises steeply. In Massachusetts the rate is highest among persons 50-69 years old, and the age group 55-59 years experienced the most pronounced increase between 1950 and 1970, from 27.2 per 100,000 to 70.0, a jump of 157 per cent. Since 1970, though, the rates have decreased for all age groups under 65 years. The median age of those dying from cirrhosis increased 1.5 years between 1960 and 1975, from 57.4 to 58.9 years.

Arteriosclerosis. Mortality attributed to this cause has been decreasing in Massachusetts, as well as in the country as a whole. Since 1960, the age-adjusted death rate has declined 113 per cent in the state and 100 per cent in the nation. This change is suspected as being an artifact, however, as noted in the Annual Summary for the United States, 1975: "Part of this decrease in deaths assigned to this cause may be associated with the modification of the first selected underlying cause that provided for the tabulation of some reported manifestation of the aging or disease process rather than a generalized disease such as arteriosclerosis".



Regardless of the possible inconsistencies in reporting, mortality from arteriosclerosis continues to be associated with the elderly. Since 1960 approximately 95 per cent of the arteriosclerosis-caused deaths occurred at ages 65 years or over, both in the state and nation. In Massachusetts the median age at death for this cause was 83.4 years in 1960, 84.4 in 1970, and 81.6 in 1975.

Suicide. Age-adjusted suicide rates for the nation have been approximately 12 per 100,000 population between 1950 and 1975. In Massachusetts the adjusted rate dipped slightly in 1960 but has risen slightly since then. The adjusted rates for the state, however, tend to fall an average of 22 per cent lower than the nation's suicide rates.



A fact not evident in these rates is that the practice has been increasing alarmingly among the young. For the United States as a whole the present upturn in suicide for young people began in 1957, when the rate for persons 15-24 years old was 4 per 100,000; in 1975 the rate for this group was 12.2, an increase of more than 200 per cent in eighteen years.

Suicide trends by age group in Massachusetts are just as dramatic. Among older persons suicides have decreased remarkably. In this state there were 570 suicides in 1940 and 572 in 1975; 53 per cent were aged 50 years or older in 1940, but only 37 per cent were as old 35 years later. Among persons 75 years and older the age-specific suicide rate fell 69 per cent from 30.0 per 100,000 to 9.4 between 1940 and 1975; for those aged 60-64 years, the rate decreased 59 per cent.

Between 1940 and 1960, suicide rates for 15-19 year olds and 20-29 year olds were stable, approximately 2.0 and 7.5 per 100,000, respectively. In the 15-19 group the suicide rate rose from 1.9 in 1960 to 4.7 in 1970 to an estimated rate of 5.5 in 1975--an increase of almost 200 per cent in fifteen years. Persons in their twenties committed suicide at the rate of 7.4 per 100,000 in 1960, 11.4 in 1970, and 15.1 (estimated) in 1975, an approximate rate increase of more than 100 per cent. Table 9 in the main body of this report reveals that in 1975 suicide was second only to accidents as the leading cause of death among persons 15-29 years of age; about 1 in every 8 deaths was recorded as a suicide. And suicides are probably under-reported!

"Because of the social stigma attached to suicide and the difficulty in determining in certain cases whether death was actually due to suicide rather than accident, many self-inflicted deaths are not reported as such".*

Bronchitis, emphysema, and asthma. These three causes were classified together in the 8th Revised Edition of the ICDA codes for underlying cause of death; consequently, comparable data are lacking for calculating age-adjusted death rates due to this cause in 1950 and 1960.

These causes, as a group, ranked as leading cause of death in both Massachusetts and the United States in 1970 and 1975 (see Table L). The state's rates were less than the nation's in each year, and the reduction in rates between the two years was somewhat better for Massachusetts residents. Of the three disease entities, emphysema takes the largest toll, approximately three-fourths of the category's total deaths. This cause, too, is responsible for the deaths among older people; more than 76 per cent of its victims in Massachusetts in 1975 were older than 65 years of age.

*Notes and References 2.

MARRIAGE AND DIVORCE

The trend in marriages since 1940 has been very similar in the United States and in Massachusetts, even though the rate in the Commonwealth has been approximately 25% lower than the nation's. During World War II the number of marriages leaped upward throughout the country, but by 1950 the rate had subsided. In 1960 the rates for the nation and state were even lower, but trends rose again during the 1960s, a period in which the country was engaged in another war. Since 1972 marriages have been declining; in Massachusetts the 42,103 marriages in 1975 were almost 13 per cent fewer than the 48,189 in 1972.

Trends in divorce have also been similar to those reported nationally. Unlike marriages, divorces have steadily increased over the same period of time except for a slight decrease between 1950 and 1960, a fact which can be partially explained by the severity of divorce laws in Massachusetts during that period, which resulted in many people's seeking divorce outside the state.

Both marriage and divorce data reflect Massachusetts occurrence as opposed to residence. The marriage and divorce data presented in Tables 11 and 12 of this report are marriages solemnized in Massachusetts and divorces granted in Massachusetts courts.

TABLE M

Marriage and Divorce Rates Per Thousand Population

	<u>Marriage</u>			<u>Divorce</u>		
	United States Rate	Massachusetts Marriages	Rate	United States Rate	Massachusetts Divorces	Rate
1940	12.1	44,836	10.4	2.0	4502	1.0
1950	11.1	41,711	8.9	2.6	6365	1.4
1960	8.5	34,050	6.6	2.2	5592	1.1
1965	9.3	38,281	7.2	2.5	7858	1.5
1970	10.6	47,292	8.3	3.5	10,976	1.9
1971	10.6	47,535		3.7	12,881	
1972	11.0	48,189		4.1	14,441	
1973	10.9	46,640		4.4	14,540	
1974	10.5	44,223		4.6	16,116	
1975	10.0	42,103	7.3	4.8	16,581	2.9

Rates for both U.S. marriages and divorces reflect the states included in the registration for each year shown. This is a good example of an arbitrary measure and is used only for comparison. Most rates are probability measures, and the denominator is usually the universe at-risk. The probability denominator for marriage should include only the population of marriageable age who are single, divorced or widowed. Similarly, the denominator for divorces should include only those who are married.

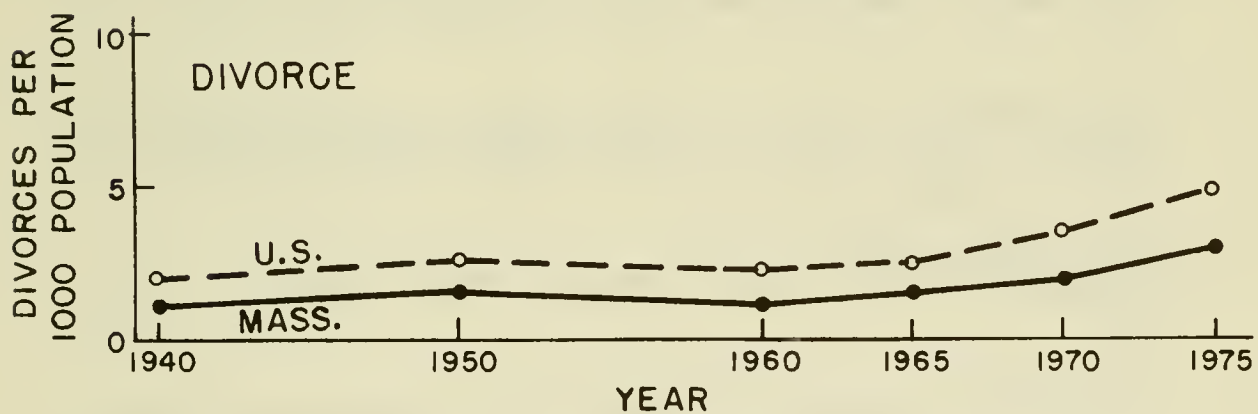
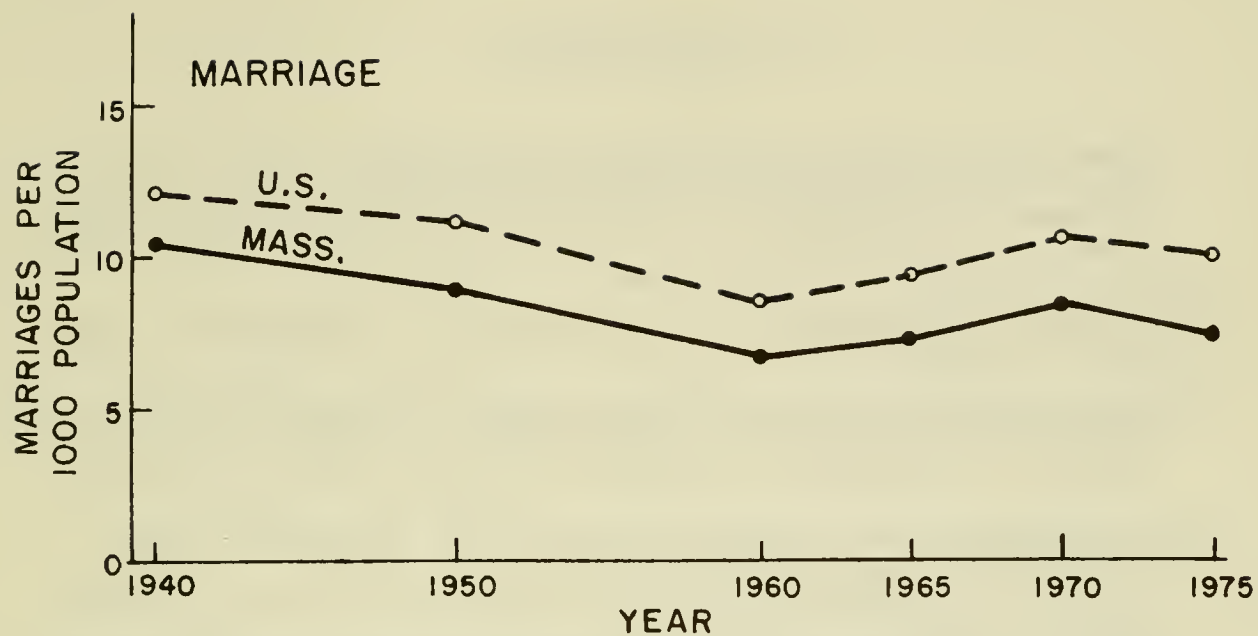


FIGURE 7: Marriage and Divorce Rates per 1,000 Population, Massachusetts and the United States, 1940-1975

NOTES AND REFERENCES

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8. Monthly Vital Statistics Report. Provisional Statistics: Annual Summary for the United States, 1975. Ibid. Vol. 24, No. 13. June 30, 1976.

Comparisons of age-adjusted rates for specific causes of death do not extend beyond 1950 because (1) there were major revisions in the coding and classification of diseases between 1940 and 1950; and (2) in 1940 the underlying cause of death had been selected according to strict rules of priorities of a disease, and any others it might be associated with, whereas in 1950 the underlying cause of death was the one so specified by the certifying physician. Comparability of 1940 and 1950 rates is possible, but for the purposes of this report the additional effort to provide one more point of reference did not seem warranted.

The 1975 population base for the Massachusetts crude rates was the count (5,790,478) of Massachusetts residents obtained by the state census in that year. Age-specific rates used to determine age-adjusted rates were calculated on the basis of the estimated 1975 Massachusetts population by age groups which was presented in the Health Data Annual, 1975 (vol. 2, No. 1) published by the Department of Public Health.

ACKNOWLEDGEMENTS

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Bruce Bullen, Robert Danley, and Betty Gardner, who prepared the narrative; and Elliot Stone, Director, Office of Health Statistics and Louis Freedman, Deputy Director, Office of State Health Planning, who have overseen the role and function of the Vital Events Program in the Department of Public Health.

TABLE 1

HISTORICAL COMPARISON OF RESIDENT BIRTHS AND DEATHS

1961-1975

YEAR	DEATHS		LIVE BIRTHS		DEATHS UNDER 1 YEAR		DEATHS UNDER 28 DAYS	
	NUMBER	PER 1000 POPULATION	NUMBER	PER 1000 POPULATION	NUMBER	PER 1000 LIVE BIRTHS	NUMBER	PER 1000 LIVE BIRTHS
1975	53708	9	68070	12	903	13	678	10
1974	55776		70071		976	14	763	11
1973	57179		72237		1104	15	861	12
1972	56854		76835		1164	15	896	12
1971	56932		86755		1462	17	1130	13
1970	56944	10	93582	16	1583	17	1231	13
1969	57695		92403		1699	19	1353	15
1968	58872		91761		1776	19	1395	15
1967	57465		94870		1877	20	1434	15
1966	59301		97513		2146	22	1657	17
1965	58853	11	100262	19	2221	22	1692	17
1964	55790		107970		2284	21	1683	16
1963	58606		111217		2436	22	1839	17
1962	57798		112342		2493	22	1886	17
1961	55704		114763		2517	22	1874	16

BIRTHS, AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		BIRTH		DEATHS		RESIDENT		IDENTITY		DEATHS		RESIDENT			
	BIRTHS	DEATHS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE		
ABINGTON	0	51	189	178	85	93	11	5	6	103	52	51	3	2	1	86
ACTION	0	32	250	236	128	108	14	9	5	63	32	31	1	1	0	187
ACUSHNET	1	19	89	78	47	31	10	5	5	67	42	25	0	0	0	21
ADAMS	0	41	150	135	74	61	15	6	9	134	57	77	1	0	1	16
AGAWAM	0	128	243	231	114	117	12	4	8	153	75	78	2	1	1	90
ALFORD	0	1	4	4	3	1	0	0	0	1	1	0	0	0	0	3
AMESBURY	0	156	202	190	99	91	12	8	4	150	78	72	1	1	0	52
ANDOVER	0	54	155	158	71	87	7	2	5	104	51	53	1	1	0	61
ARLINGTON	3	41	235	217	117	100	18	12	6	167	81	86	3	1	2	68
ASHBURNHAM	300	396	463	433	228	205	30	15	15	520	271	249	5	4	3	-5
ASHBY	0	5	41	38	15	23	3	2	1	28	16	12	0	0	0	13
ASHFIELD	0	2	24	22	10	12	2	1	1	13	7	6	1	0	0	11
ASHLAND	0	7	11	11	4	7	0	0	0	12	6	6	0	0	0	-1
ATHOL	0	11	97	89	51	38	8	4	4	53	38	15	2	1	1	44
ATTLEBORO	6	176	142	131	70	61	11	7	4	140	75	65	1	1	0	2
AUBURN	938	470	475	448	229	219	27	9	18	288	150	138	7	4	3	187
AVON	0	23	141	131	75	56	10	5	5	140	72	68	3	2	1	1
AYER	0	9	55	50	29	21	5	2	3	41	24	17	1	1	0	14
BARNSTABLE	1	140	246	232	109	123	14	9	5	58	30	28	5	2	3	188
BARRE	779	702	273	252	142	110	21	13	8	327	167	160	6	3	3	-54
BECKET	0	14	43	42	20	13	1	0	1	32	15	17	0	0	0	11
BEDFORD	0	2	17	17	12	5	0	0	0	6	1	5	0	0	0	11
BELCHERTOWN	0	116	137	134	79	55	3	2	1	74	30	44	2	1	1	63
BELLINGHAM	0	17	73	70	42	28	3	2	1	46	23	23	0	0	0	27
BELMONT	1	70	187	171	94	77	16	6	10	65	40	25	3	0	3	122
BERKLEY	0	2	232	224	114	110	8	3	5	274	144	130	1	1	0	-42
BERLIN	0	3	28	26	13	13	2	1	1	18	9	9	0	0	0	10
BERNARDSTON	0	2	24	23	10	13	1	0	1	18	6	12	0	0	0	6
BEVERLY	0	3	23	22	10	12	1	1	0	14	8	6	0	0	0	9
BILLERICA	560	420	404	370	197	173	34	12	22	332	177	155	11	4	7	72
BLACKSTONE	0	40	568	538	282	256	30	12	18	158	86	72	5	3	2	410
BLANDFORD	0	15	89	82	38	44	7	4	3	62	30	32	1	0	1	27
BOLTON	0	2	11	9	5	4	2	1	1	11	7	4	2	1	1	0
BOSTON	0	3	32	30	13	17	2	1	1	12	8	4	0	0	0	20
BOURNE	13778	10390	7481	6814	3562	3252	667	294	373	6780	3566	3214	66	59	90	702
BOXBOROUGH	0	134	174	165	74	91	9	4	5	107	59	48	0	0	0	46
BRADFORD	0	3	45	45	26	19	0	0	0	9	4	5	0	0	0	67
BROOKFIELD	0	2	39	39	23	16	0	0	0	15	10	5	1	1	0	36
BROOKLINE	0	84	41	37	21	16	4	1	3	19	9	10	0	0	0	24
BRAINTREE	0	275	312	300	161	139	12	6	0	302	151	153	4	3	1	22
BREWSTER	0	8	68	63	23	40	5	1	4	38	21	17	2	0	2	30
BRIDgewater	0	40	183	172	92	80	11	4	7	102	46	56	4	3	1	81
BRIGHTON	0	2	24	21	9	12	3	1	2	21	15	6	0	0	0	3
BROCKTON	1095	1307	1413	1291	674	617	122	51	71	900	480	420	33	22	15	513
BROOKFIELD	0	2	29	26	16	10	3	1	2	18	11	7	2	0	2	11
BROOKLINE	11	286	375	356	185	171	19	11	8	652	294	358	2	0	2	-277
BUCKLAND	0	7	16	14	6	8	2	1	1	27	13	14	0	0	0	-11
BURLINGTON	0	11	273	252	149	103	21	6	15	100	60	40	4	2	4	173
CAMPIDGE	1454	1365	891	836	439	397	55	22	34	838	416	422	7	5	2	53
CANTON	0	36	181	168	86	92	13	4	9	116	54	62	2	1	1	65
CARLISLE	0	7	24	24	16	8	0	0	0	18	7	11	0	0	0	6
CARVER	0	1	96	90	53	37	6	2	4	28	17	11	2	1	1	68

TABLE 2A

[illegible]

TABLE 2A
MASSACHUSETTS
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT		BIRTH		DEATH		RESIDENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	BIRTHS	DEATHS	TOTAL		TOTAL		TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE

TABLE 2A
MASSACHUSETTS
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE BIRTHS DEATHS	*** RESIDENT BIRTHS ***** R I S I D E N T D E A T H S *****										RESIDENT NATURAL INCREASE				
		BIRTH	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		
WASHINGTON	1	5	6	5	1	0	0	0	5	2	3	0	0	0	0	1
WATERTOWN	1	109	381	194	169	18	9	9	363	176	87	2	2	0	2	18
WAYLAND	2	31	129	119	57	62	10	7	75	41	34	3	2	1	3	54
WEBSTER	0	198	162	147	71	15	5	10	173	100	73	3	2	1	0	-11
WELLESLEY	2	113	187	178	91	87	9	6	194	89	105	0	0	0	0	-7
WELFLEET	0	13	29	16	13	0	0	0	27	17	10	0	0	0	0	2
WENDELL	0	2	9	4	5	0	0	0	6	4	2	0	0	0	0	3
WENHAM	0	9	22	20	16	4	2	0	17	5	12	1	0	1	0	5
WEST BOYLSTON	0	22	51	50	30	1	1	0	57	26	31	0	0	0	0	-6
WEST BRIDGEWATER	0	9	67	63	38	25	4	3	1	50	32	18	0	0	0	17
WEST BROCKFIELD	0	43	29	29	12	17	0	0	20	9	11	0	0	0	0	9
WEST NEWBURY	0	3	26	24	14	10	2	2	0	13	6	7	0	0	0	13
WEST SPRINGFIELD	0	51	299	274	133	141	25	16	9	257	135	122	2	2	0	42
WEST STOCKBRIDGE	0	0	7	7	1	6	0	0	9	6	3	0	0	0	0	-2
WEST TISBURY	0	3	17	17	13	4	0	0	7	4	3	0	0	0	0	10
WESTBOROUGH	0	96	152	142	63	79	10	4	6	85	50	35	2	1	1	67
WESTFIELD	0	341	436	414	212	202	22	9	13	265	133	132	10	6	4	171
WESTFORD	0	33	167	151	80	71	16	8	3	77	46	31	0	0	0	90
WESTHAMPTON	1	2	11	11	8	3	0	0	9	5	4	0	0	0	0	2
WESTMINSTER	0	5	57	54	34	20	3	2	1	32	21	11	0	0	0	25
WESTON	3	44	60	58	30	28	2	0	2	78	40	38	0	0	0	-18
WESTPORT	1	27	156	145	77	68	11	7	4	95	49	46	1	0	1	61
WESTWOOD	1	10	99	93	49	44	6	4	2	96	49	47	2	1	1	3
WEYMOUTH	1689	695	645	599	312	287	46	26	21	431	237	194	6	6	0	214
WHATELY	0	5	9	9	5	4	0	0	0	13	6	7	0	0	0	-4
WHITMAN	0	25	191	178	92	86	13	9	4	98	47	51	3	2	1	93
WILBRAHAM	1	7	90	81	42	39	9	7	2	81	45	36	0	0	0	9
WILLIAMSBURG	0	12	15	13	2	11	2	2	0	12	8	4	0	0	0	3
WILLIAMSTOWN	1	84	60	55	22	33	5	5	0	72	37	35	0	0	0	-12
WILMINGTON	1	16	224	215	117	98	9	7	2	106	57	49	2	1	1	118
WINCHENDEN	0	34	78	73	40	33	5	5	0	63	32	31	1	1	0	15
WINCHESTER	1087	285	172	159	85	74	13	7	6	170	85	85	3	2	1	2
WINOSOR	0	1	6	6	2	4	0	0	0	6	4	2	0	0	0	0
WINTHROP	1	197	182	170	88	82	12	9	3	230	122	108	1	1	0	-48
WOPURN	435	294	474	447	231	216	27	14	13	279	147	132	4	4	0	195
WORCESTER	4636	2894	2213	2020	1004	1016	193	94	99	2136	1088	39	22	17	22	77
WORTHINGTON	0	1	11	11	5	6	0	0	0	9	3	6	0	0	0	2
WRENTHAM	0	44	78	72	36	35	6	3	3	55	27	28	1	1	0	23
YARMOUTH	1	47	145	138	73	65	7	5	2	210	119	91	2	2	0	-65
STATE TOTALS	69726	54209	68070	63383	32868	30514	4687	2222	2464	53708	28037	25670	903	526	377	14363

TABLE 3
MASSACHUSETTS
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND WEIGHT OF INFANT

TOTAL BIRTHS														
BIRTH WEIGHT	UNDER 15	15	16	17	18	19	20-24	25-29	30-4	35-39	40-44	OVER 44	UNKNOWN	TOTAL
UNDER 1001 GRAMS	1	9	5	13	23	17	117	122	40	22	4	0	0	378
1001-1500 GRAMS	1	2	17	16	22	22	110	109	46	16	7	1	0	369
1501-2000 GRAMS	5	7	22	34	45	50	280	268	140	47	13	0	0	911
2001-2500 GRAMS	7	23	65	115	162	171	894	902	453	154	43	4	0	2993
2501-3000 GRAMS	28	80	220	389	535	645	3950	4048	1660	482	126	5	1	12169
3001-3500 GRAMS	38	117	346	655	1038	1287	8274	9548	3865	972	249	4	3	26396
3501-4000 GRAMS	20	77	191	392	604	692	5687	6988	3002	899	201	15	3	18771
4001-4500 GRAMS	4	6	44	55	106	179	1470	1898	942	320	74	3	1	5102
4501-5000 GRAMS	0	4	5	5	16	22	218	304	195	59	20	2	0	850
OVER 5000 GRAMS	0	0	0	1	1	0	21	39	17	12	0	1	0	94
UNKNOWN WEIGHT	0	0	0	3	3	0	10	15	6	0	0	0	0	37
TOTAL	104	325	915	1678	2560	3085	21031	24241	10366	2983	739	35	8	68070
LEGITIMATE BIRTHS														
BIRTH WEIGHT														
UNDER 1001 GRAMS	0	1	0	6	19	9	91	116	39	22	3	0	0	306
1001-1500 GRAMS	0	0	4	6	8	15	89	105	42	15	4	1	0	289
1501-2000 GRAMS	0	1	12	11	22	37	226	252	132	39	13	0	0	745
2001-2500 GRAMS	0	5	20	61	99	118	723	845	421	140	41	4	0	2477
2501-3000 GRAMS	1	25	82	195	317	458	3404	3842	1585	453	119	5	1	10487
3001-3500 GRAMS	2	24	138	346	685	952	7401	9182	3733	932	232	4	2	23633
3501-4000 GRAMS	4	22	79	242	452	540	5228	6809	2728	868	194	14	3	17383
4001-4500 GRAMS	1	3	18	31	79	143	1361	1848	917	311	71	3	1	4792
4501-5000 GRAMS	0	1	3	5	13	17	202	294	191	58	20	2	0	805
OVER 5000 GRAMS	0	0	0	1	1	0	20	38	17	12	1	1	0	91
UNKNOWN WEIGHT	0	0	0	1	2	0	10	13	6	0	0	0	0	32
TOTAL	8	62	356	905	1697	2294	18755	23344	10011	2850	698	34	7	61041
ILLEGITIMATE BIRTHS														
BIRTH WEIGHT														
UNDER 1001 GRAMS	1	0	5	7	9	8	26	6	1	0	1	0	0	72
1001-1500 GRAMS	1	2	13	10	14	7	21	4	4	1	3	0	0	80
1501-2000 GRAMS	5	6	10	23	23	13	54	16	8	8	0	0	0	166
2001-2500 GRAMS	7	18	45	54	63	53	171	57	32	14	2	0	0	516
2501-3000 GRAMS	27	55	138	194	218	187	546	206	75	29	7	0	0	1682
3001-3500 GRAMS	36	93	208	309	353	335	873	366	132	40	17	0	1	2763
3501-4000 GRAMS	16	55	112	150	152	152	459	179	74	31	7	1	0	1388
4001-4500 GRAMS	3	3	26	24	27	31	109	50	25	9	3	0	0	310
4501-5000 GRAMS	0	3	2	0	3	5	16	10	4	1	0	0	0	44
OVER 5000 GRAMS	0	0	0	0	0	0	1	1	0	0	1	0	0	3
UNKNOWN WEIGHT	0	0	0	2	1	0	0	2	0	0	0	0	0	5
TOTAL	96	243	559	773	863	791	2276	897	355	133	41	1	1	7029

AGE	***** TOTAL		***** W H I T E *****		***** N O N - W H I T E *****		***** TOTAL		***** OTHER AND UNKNOWN *****			
	* TOTAL	MALE	FEMALE	* TOTAL	MALE	FEMALE	* TOTAL	MALE	FEMALE	* TOTAL	MALE	FEMALE
UNDER 1	903	526	377	812	481	331	87	43	44	4	2	2
1	60	34	26	58	34	24	2	0	2	0	0	0
2	29	16	13	26	14	12	3	2	1	0	0	0
3	36	17	19	34	16	18	1	1	1	1	1	0
4	27	18	9	26	17	9	1	1	0	0	0	0
5	34	22	12	31	19	12	3	3	0	0	0	0
6	22	14	8	21	14	7	1	0	1	0	0	0
7	22	13	9	17	10	7	4	2	2	1	1	0
8	14	8	6	13	7	6	1	1	0	0	0	0
9	23	14	9	19	10	9	4	4	0	0	0	0
10	24	19	5	23	18	5	1	1	0	0	0	0
11	23	12	11	21	10	11	2	2	0	0	0	0
12	22	12	10	20	12	8	2	0	2	0	0	0
13	30	23	7	27	21	6	3	2	1	0	0	0
14	47	28	19	45	26	19	2	2	0	0	0	0
15	41	25	16	40	24	16	1	1	0	0	0	0
16	64	41	23	60	37	23	4	4	0	0	0	0
17	110	81	29	100	74	26	10	7	3	0	0	1
18	117	83	34	110	79	31	6	4	2	1	0	0
19	94	66	28	88	61	27	6	5	1	0	0	0
20	114	90	24	105	85	20	6	4	2	3	1	2
TOTAL	1856	1162	694	1696	1069	627	150	88	62	10	5	5
UNDER 5	1055	611	444	956	562	394	94	46	48	5	3	2
5-9	115	71	44	101	60	41	13	10	3	1	1	0
10-14	146	94	52	136	87	49	10	7	3	0	0	0
15-19	426	296	130	398	275	123	27	21	6	1	0	1
20-24	537	421	116	497	392	105	37	28	9	3	1	2
25-29	481	345	136	443	321	122	36	23	13	2	1	1
30-34	422	277	145	367	241	126	54	35	19	1	1	0
35-39	500	314	186	438	271	167	60	41	19	2	2	0
40-44	812	538	274	751	498	253	60	39	21	1	39	0
45-49	1510	952	558	1427	898	529	80	52	28	3	2	1
50-54	2365	1544	821	2258	1478	780	107	66	41	0	0	0
55-59	3377	2235	1142	3270	2170	1100	104	63	41	3	2	1
60-64	4644	2983	1661	4518	2909	1609	122	72	50	4	2	2
65-69	5668	3414	2254	5537	3343	2194	126	69	57	5	2	3
70-74	6808	3735	3073	6677	3663	3014	125	68	57	6	4	2
75-79	7565	3645	3920	7424	3573	3851	139	70	69	2	2	0
80-84	7611	3295	4516	7687	3222	4465	115	67	48	9	6	3
OVER 84	9463	3266	6197	9339	3214	6125	122	52	70	2	2	0
UNKNOWN	2	1	1	2	1	1	0	0	0	0	0	0
TOTAL	63707	28037	25670	52226	27178	25048	1431	829	02	50	30	20

1 DEATH RECORD EXCLUDED DUE TO UNKNOWN SEX

TABLE 5
MASSACHUSETTS
RESIDENT NEONATAL DEATHS BY AGE, COLOR AND SEX

	TOTAL		WHITE		NON-WHITE		OTHER AND UNKNOWN	
	TOTAL MALE	TOTAL FEMALE ¹	TOTAL MALE	TOTAL FEMALE	TOTAL MALE	TOTAL FEMALE	TOTAL MALE	TOTAL FEMALE
UNDER 1 DAY	392	225	364	214	26	11	0	0
1 DAY	81	54	71	46	9	7	1	1
UNDER 2 DAYS	63	28	54	24	7	3	2	1
UNDER 3 DAYS	29	16	27	16	2	2	0	0
UNDER 4 DAYS	12	6	10	5	2	1	0	0
UNDER 5 DAYS	14	6	12	6	2	0	0	0
UNDER 6 DAYS	21	14	18	14	2	0	1	0
UNDER 1 WEEK (SUBTOTAL)	612	351	556	325	52	24	4	2
7-13 DAYS	23	16	20	14	3	2	0	0
14-27 DAYS	43	21	37	17	5	3	1	1
UNDER 28 DAYS (TOTAL)	678	388	613	356	60	29	5	3

¹ DEATH RECORD EXCLUDED DUE TO UNKNOWN SEX

TABLE 6
MASSACHUSETTS
RESIDENT NEONATAL AND FETAL DEATHS BY CAUSE, COLOR AND SEX

	***** N E O N A T A L D E A T H S *****					***** F E T A L D E A T H S *****					
	W H I T E MALE	F E M L	N O N - W H I T E MALE	F E M L	U N K N O W N T O T A L	W H I T E MALE	F E M L	N O N - W H I T E MALE	F E M L	U N K N O W N T O T A L	
740 ANENCEPHALUS	13	8	0	0	0	21	5	4	0	2	14
741 SPINA BIFIDA	0	4	0	1	0	5	0	0	0	0	0
742 CONGENITAL HYDROCEPHALUS	2	1	0	0	0	3	1	2	0	0	3
746 CONGENITAL ANOMALIES OF HEART	16	11	2	0	0	29	0	0	0	0	0
747 OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	2	4	0	0	0	6	0	1	0	0	1
748 CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	6	6	0	1	0	13	1	1	0	0	2
751 OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	2	0	1	0	4	0	0	0	0	0
753 CONGENITAL ANOMALIES OF URINARY SYSTEM	3	0	0	0	0	3	0	0	0	0	1
756 OTHER CONGENITAL ANOMALIES OF MUSCULO- SKELETAL SYSTEM	7	1	0	0	0	8	0	0	0	0	0
757 CONGENITAL ANOMALIES OF SKIN, HAIR, AND NAILS	0	1	0	0	0	1	0	1	0	0	1
759 CONGENITAL SYNDROMES AFFECTING MULTIPLE SYSTEMS	10	10	1	1	0	23	6	6	0	2	21
761 OTHER MATERNAL CONDITIONS UNRELATED TO PREGNANCY	2	0	0	0	0	2	2	2	0	1	8
762 TOXEMIA OF PREGNANCY	3	0	0	0	0	3	2	0	0	1	4
763 MATERNAL ANTE-AND INTRA- PARTUM INFECTION	0	0	0	0	0	0	1	2	0	1	4

764	DIFFICULT LABOR WITH ABNORMALITY OF BONES, ORGANS, OR TISSUES OF PELVIS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2
768	DIFFICULT LABOR WITH OTHER AND UNSPECIFIED COMPLICATIONS	5	4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0
769	OTHER COMPLICATIONS OF PREGNANCY AND CHILDBIRTH	29	22	3	2	0	0	0	56	6	7	1	0	3	4	21		
770	CONDITIONS OF PLACENTA	11	11	0	1	0	0	0	23	59	36	2	0	30	17	148		
771	CONDITIONS OF UMBILICAL CORD	3	1	1	0	0	0	0	5	45	40	1	3	17	12	118		
772	BIRTH INJURY WITHOUT MENTION OF CAUSE	13	16	2	2	0	0	0	33	1	0	1	0	1	0	3		
773	TERMINATION OF PREGNANCY	0	0	0	0	0	0	0	0	3	2	0	0	30	19	55		
774	HEMOLYTIC DISEASE OF NEWBORN WITH KERNICTERUS	0	0	0	0	0	0	0	0	5	2	0	0	5	1	13		
775	HEMOLYTIC DISEASE OF NEWBORN WITHOUT MENTION OF KERNICTERUS	3	2	0	0	0	0	0	5	1	0	0	0	0	0	1		
776	ANOXIC AND HYPOXIC CONDITIONS NOT ELSEWHERE CLASSIFIED	111	75	7	6	2	0	0	201	33	34	3	1	25	18	116		
777	IMMATURITY, UNQUALIFIED	65	38	6	6	0	0	0	115	6	2	0	0	13	7	28		
778	OTHER CONDITIONS OF FETUS OR NEWBORN	23	23	5	7	0	1	0	59	1	2	0	0	0	1	4		
779	FETAL DEATH OF UNKNOWN CAUSE	0	0	0	0	0	0	0	0	28	27	4	3	10	20	93		
795	SUDDEN DEATH, CAUSE UNKNOWN	3	0	1	1	0	0	0	5	0	0	0	0	0	0	0		
ALL	OTHER CAUSES	25	17	2	2	0	1	0	47	1	2	0	0	0	0	3		
	TOTAL	356	257	30	31	2	2	2	679	207	174	12	10	140	110	664		

Neonatal Death Totals include 1 of unknown sex

Fetal Death Totals include 1 of unknown sex

TABLE 7A
MASSACHUSETTS
SELECTED CAUSES OF RESIDENT DEATHS BY SEX, COLOR AND AGE

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS																
(140-209)																
WHITE MALE	5846	4	11	16	16	47	67	98	192	329	600	804	878	968	769	1047
WHITE FEMALE	5481	8	13	9	7	41	105	91	243	354	475	624	696	751	789	1275
NON-WHITE MALE	150	0	1	0	0	2	4	5	7	10	17	21	21	21	21	20
NON-WHITE FEMALE	115	0	1	0	0	1	6	7	10	8	13	26	9	8	13	13
TOTAL	11596	12	26	25	23	91	182	201	452	701	1105	1475	1604	1749	1593	2357
DIABETES MELLITUS																
(250)																
WHITE MALE	450	1	0	0	0	5	9	6	9	23	36	42	60	63	76	120
WHITE FEMALE	557	1	0	0	0	4	4	2	7	19	18	41	76	82	91	212
NON-WHITE MALE	11	0	0	0	0	0	1	1	1	0	0	3	1	2	1	1
NON-WHITE FEMALE	24	0	0	0	0	0	2	0	1	3	4	1	1	4	3	5
TOTAL	1044	2	0	0	0	9	16	9	18	45	58	87	139	151	171	339
HEART DISEASES (402.																
404.390-398.410-429)																
WHITE MALE	10846	9	0	2	4	24	84	168	348	687	932	1255	1488	1509	1505	2833
WHITE FEMALE	9835	6	1	3	3	7	14	53	87	149	287	498	799	1206	1651	5070
NON-WHITE MALE	234	0	0	0	0	4	16	10	14	19	25	32	21	24	24	45
NON-WHITE FEMALE	174	1	0	0	2	1	6	2	4	11	13	12	20	21	28	53
TOTAL	21108	16	1	5	9	36	120	233	455	866	1260	1799	2330	2763	3209	8006
CEREBROVASCULAR																
DISEASE (430-438)																
WHITE MALE	1956	1	0	1	1	14	18	24	42	55	81	137	192	294	317	779
WHITE FEMALE	3086	1	1	0	1	9	16	11	21	43	47	122	191	371	550	1702
NON-WHITE MALE	45	0	1	0	1	0	0	4	2	5	3	2	3	4	5	15
NON-WHITE FEMALE	57	0	0	0	0	3	0	2	1	4	2	2	8	8	10	17
TOTAL	5146	2	2	1	3	26	34	41	66	107	133	264	394	677	882	2513
ARTERIOSCLEROSIS																
(440)																
WHITE MALE	238	0	0	0	0	0	0	0	0	3	3	6	12	22	35	157
WHITE FEMALE	500	0	0	0	0	0	0	0	1	0	4	7	14	29	58	387
NON-WHITE MALE	8	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6
NON-WHITE FEMALE	6	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
TOTAL	752	0	0	0	0	0	0	0	1	3	7	13	27	52	96	553
INFLUENZA & PNEUMON-																
IA (470-474.480-486)																
WHITE MALE	1098	27	1	2	1	14	6	12	20	39	49	77	74	121	192	463
WHITE FEMALE	996	22	0	2	3	10	12	7	8	13	15	30	50	92	161	571
NON-WHITE MALE	51	4	0	0	0	0	5	2	4	4	4	3	3	5	7	10
NON-WHITE FEMALE	17	1	0	0	0	0	2	0	2	0	0	1	1	1	3	6
TOTAL	2164	55	1	4	4	24	25	21	35	56	68	111	128	219	363	1050

BRONCHITIS. ASTHMA. EMPHYSEMA (490-493)															
WHITE MALE	422	1	0	0	0	1	3	2	4	7	28	41	77	82	113
WHITE FEMALE	151	2	0	0	0	1	0	1	3	8	9	18	22	27	30
NON-WHITE MALE	4	0	0	0	0	0	0	0	0	0	0	2	0	1	0
NON-WHITE FEMALE	6	0	0	2	0	0	0	0	0	1	0	1	2	0	0
TOTAL	583	3	0	2	0	2	3	3	7	16	37	62	101	110	143
CIRRHOSIS OF LIVER (571)															
WHITE MALE	680	0	0	0	0	3	37	56	72	96	99	114	95	57	17
WHITE FEMALE	333	1	0	0	0	1	16	19	41	43	51	47	49	32	16
NON-WHITE MALE	16	0	0	0	0	0	5	1	3	1	2	1	2	1	0
NON-WHITE FEMALE	12	0	0	0	0	0	2	1	3	1	1	2	1	0	0
TOTAL	1042	1	0	0	0	5	60	77	119	141	153	164	147	90	33
MOTOR VEHICLE ACCIDENTS (810-823)															
WHITE MALE	623	9	20	23	132	231	57	13	21	19	16	15	18	11	21
WHITE FEMALE	253	5	7	9	51	52	17	9	10	10	15	10	16	17	10
NON-WHITE MALE	29	0	3	0	4	7	4	1	3	5	1	1	0	0	0
NON-WHITE FEMALE	8	0	0	0	0	3	0	3	0	1	0	0	0	1	0
TOTAL	918	14	30	32	188	296	78	26	34	35	32	27	34	29	31
SUICIDES (950-959) HOMICIDES (960-969)															
WHITE MALE	541	3	0	3	39	147	81	32	44	38	44	35	27	26	11
WHITE FEMALE	190	1	0	2	14	47	33	12	20	13	10	11	8	8	6
NON-WHITE MALE	63	1	0	2	9	18	18	1	4	6	2	0	1	0	1
NON-WHITE FEMALE	10	0	0	0	0	3	4	0	1	2	0	0	0	0	0
TOTAL	806	5	0	7	62	216	136	46	69	59	56	46	36	34	18
ALL OTHER ACCIDENTS (800-807, 825-949)															
WHITE MALE	758	23	15	20	42	114	64	24	47	37	47	67	58	35	113
WHITE FEMALE	570	12	6	10	18	19	21	9	7	22	15	20	27	42	268
NON-WHITE MALE	40	1	2	2	5	9	7	1	4	5	1	0	1	0	1
NON-WHITE FEMALE	22	3	1	0	1	6	2	1	1	1	0	2	1	1	1
TOTAL	1392	39	24	32	66	148	96	35	59	65	63	89	87	78	383
ALL MASSACHUSETTS RESIDENT DEATHS															
WHITE MALE	27178	562	60	87	275	713	512	498	898	1478	2170	2909	3343	3663	6436
WHITE FEMALE	25048	394	41	49	123	227	293	253	529	780	1100	1609	2194	3014	10590
NON-WHITE MALE	829	46	10	7	21	51	76	39	52	66	63	72	69	68	119
NON-WHITE FEMALE	602	48	3	3	6	22	38	21	28	41	41	50	57	57	118
TOTAL	53708	1056	115	146	426	1018	922	812	1510	2365	3377	4644	5668	6808	17274

NOTE: PERSONS OF UNKNOWN RACE (50), SEX (2) OR AGE (1) ARE INCLUDED IN TOTALS ONLY

TABLE 7B
MASSACHUSETTS
RATES PER 100,000 FOR SELECTED CAUSES OF RESIDENT DEATHS BY SEX, COLOR, AND AGE

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	A G E				55-59	60-64	65-69	70-74	75-79	80+
							30-39	40-44	45-49	50-54						
MALIGNANT NEOPLASMS																
(140-209)																
WHITE MALE	223.2	1.8	4.2	5.9	6.5	12.3	24.1	63.1	120.6	217.9	453.6	724.3	1027.7	1465.5	1663.6	2482.0
WHITE FEMALE	191.7	3.7	5.1	3.5	2.8	9.9	36.5	55.4	140.3	199.8	313.0	455.7	590.0	721.1	1010.7	1520.7
NON-WHITE MALE	149.3	0.0	7.7	0.0	0.0	11.6	32.3	96.9	144.0	256.3	617.7	991.0	1189.1	1458.3	2243.6	1808.3
NON-WHITE FEMALE	103.5	0.0	7.7	0.0	0.0	4.9	42.2	114.2	188.9	191.6	390.6	953.4	387.3	421.7	994.6	859.8
TOTAL	203.8	2.6	4.8	4.5	4.5	10.9	30.7	60.8	131.9	214.9	380.9	583.5	773.1	1007.9	1259.0	1832.1
DIABETES MELLITUS																
(250)																
WHITE MALE	17.2	0.4	0.0	0.0	0.0	1.3	3.2	3.9	5.7	15.2	27.2	37.8	70.2	95.4	164.4	284.5
WHITE FEMALE	19.5	0.5	0.0	0.0	0.0	1.0	1.4	1.2	4.0	10.7	11.9	29.9	64.4	78.7	116.6	252.8
NON-WHITE MALE	10.9	0.0	0.0	0.0	0.0	0.0	8.1	19.4	20.6	0.0	0.0	141.6	56.6	138.9	106.8	90.4
NON-WHITE FEMALE	21.6	0.0	0.0	0.0	0.0	0.0	14.1	0.0	18.9	71.8	120.2	36.7	43.0	210.9	229.5	330.7
TOTAL	18.4	0.4	0.0	0.0	0.0	1.1	2.7	2.7	5.3	13.8	20.0	34.4	67.0	87.0	135.1	263.5
HEART DISEASES (402-404.390-398.410-429)																
WHITE MALE	414.2	4.0	0.0	0.7	1.6	6.3	30.2	108.2	218.6	455.1	704.6	1130.5	1741.8	2284.6	3255.9	6715.8
WHITE FEMALE	344.0	2.8	0.4	1.2	1.2	1.7	4.9	32.3	50.2	84.1	189.1	363.7	677.3	1158.1	2115.0	6046.9
NON-WHITE MALE	232.9	0.0	0.0	0.0	0.0	23.1	129.1	193.8	288.0	487.1	908.4	1510.1	1189.1	1666.7	2564.1	4068.7
NON-WHITE FEMALE	156.6	7.9	0.0	0.0	19.5	4.9	42.2	32.6	75.6	263.4	390.6	440.0	860.6	1107.0	2142.3	3505.3
TOTAL	371.0	3.4	0.2	0.9	1.7	4.3	20.3	70.4	132.8	265.5	434.3	711.7	1123.0	1592.3	2536.2	6223.2
CEREBROVASCULAR DISEASE (430-438)																
WHITE MALE	74.7	0.4	0.0	0.4	0.4	3.7	6.5	15.5	26.4	36.4	61.2	123.4	224.7	445.1	685.8	1846.7
WHITE FEMALE	108.0	0.5	0.4	0.0	0.4	2.2	5.6	6.7	12.1	24.3	31.0	89.1	161.9	356.3	704.6	2029.9
NON-WHITE MALE	44.8	0.0	7.7	0.0	10.3	0.0	0.0	77.5	41.1	128.2	109.0	94.4	169.9	277.8	534.2	1356.2
NON-WHITE FEMALE	51.3	0.0	0.0	0.0	0.0	14.6	0.0	32.6	18.9	95.8	60.1	73.3	344.2	421.7	765.1	1124.3
TOTAL	90.4	0.4	0.4	0.2	0.6	3.1	5.7	12.4	19.3	32.8	45.8	104.4	189.9	390.1	697.1	1953.4
ARTERIOSCLEROSIS (440)																
WHITE MALE	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3	5.4	14.0	33.3	75.7	372.2
WHITE FEMALE	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.6	5.1	11.9	27.8	74.3	461.6
NON-WHITE MALE	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.6	0.0	106.8	542.5
NON-WHITE FEMALE	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	153.0	198.4
TOTAL	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	2.4	5.1	13.0	30.0	75.9	429.9
INFLUENZA & PNEUMONIA (470-474.480-486)																
WHITE MALE	41.9	11.9	0.4	0.7	0.4	3.7	2.2	7.7	12.6	25.8	37.0	69.4	86.6	183.2	415.4	1057.6
WHITE FEMALE	34.8	10.1	0.0	0.8	1.2	2.4	4.2	4.3	4.6	7.3	9.9	21.9	42.4	88.3	206.2	681.0
NON-WHITE MALE	50.8	32.0	0.0	0.0	0.0	0.0	40.3	38.8	82.3	102.5	145.3	141.6	169.9	347.2	747.9	904.2
NON-WHITE FEMALE	15.3	7.9	0.0	0.0	0.0	0.0	14.1	0.0	37.8	0.0	0.0	36.7	43.0	52.7	229.5	396.8
TOTAL	38.0	11.7	0.2	0.7	0.8	2.9	4.2	6.3	10.2	17.2	23.4	43.9	61.7	126.2	286.9	816.2

BRONCHITIS, ASTHMA, EMPHYSEMA (1490-493)

WHITE MALE	16.1	0.4	0.0	0.0	0.0	0.0	0.3	1.1	1.3	2.5	4.6	21.2	36.9	90.1	124.1	136.3	267.9
WHITE FEMALE	5.3	0.9	0.0	0.0	0.0	0.0	0.2	0.0	0.6	1.7	4.5	5.9	13.1	18.7	25.9	38.4	35.8
NON-WHITE MALE	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.4	0.0	69.4	106.8	0.0
NON-WHITE FEMALE	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.0	36.7	86.1	0.0	0.0	0.0
TOTAL	10.2	0.6	0.0	0.0	0.0	0.4	0.2	0.5	0.9	2.0	4.9	12.8	24.5	48.7	63.4	74.3	111.2

CIRRHOSIS OF LIVER (571)

WHITE MALE	26.0	0.0	0.0	0.0	0.0	0.0	0.8	13.3	36.1	45.2	63.6	74.8	102.7	111.2	86.3	73.6	40.3
WHITE FEMALE	11.6	0.5	0.0	0.0	0.0	0.0	0.2	5.6	11.6	23.7	24.3	33.6	34.3	41.5	30.7	21.8	19.1
NON-WHITE MALE	15.9	0.0	0.0	0.0	0.0	0.0	0.0	40.3	19.4	61.7	25.6	72.7	47.2	113.3	69.4	0.0	0.0
NON-WHITE FEMALE	10.8	0.0	0.0	0.0	0.0	0.0	0.0	14.1	16.3	56.7	23.9	30.0	73.3	43.0	0.0	76.5	0.0
TOTAL	18.3	0.2	0.0	0.0	0.0	0.0	0.6	10.1	23.3	34.7	43.2	52.7	64.9	70.8	51.9	41.1	25.7

MOTOR VEHICLE

ACCIDENTS (810-823)																	
WHITE MALE	23.8	4.0	7.6	8.4	53.8	60.3	20.5	8.4	13.2	12.6	12.1	13.5	21.1	16.7	36.8	49.8	
WHITE FEMALE	8.9	2.3	2.8	3.5	20.5	12.5	5.9	5.5	5.8	6.0	9.9	7.3	13.6	16.3	19.2	11.9	
NON-WHITE MALE	28.9	0.0	23.0	0.0	41.0	40.5	32.3	19.4	61.7	128.2	36.3	47.2	0.0	0.0	0.0	0.0	
NON-WHITE FEMALE	7.2	0.0	0.0	0.0	0.0	14.6	0.0	48.9	0.0	23.9	0.0	0.0	0.0	52.7	0.0	0.0	
TOTAL	16.1	3.0	5.5	5.8	36.5	35.4	13.2	7.9	9.9	10.7	11.0	10.7	16.4	16.7	25.3	24.1	

SUICIDES (950-959) HOMICIDES (960-969)

WHITE MALE	20.7	1.3	0.0	1.1	15.9	38.3	29.1	20.6	27.6	25.2	33.3	31.5	31.6	39.4	23.8	26.1	
WHITE FEMALE	6.6	0.5	0.0	0.8	5.6	11.3	11.5	7.3	11.5	7.3	6.6	8.0	6.8	7.7	6.4	7.2	
NON-WHITE MALE	62.7	8.0	0.0	17.5	92.3	104.1	145.2	19.4	82.3	153.8	72.7	0.0	56.6	0.0	0.0	90.4	
NON-WHITE FEMALE	9.0	0.0	0.0	0.0	0.0	14.6	28.1	0.0	18.9	47.9	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	14.2	1.1	0.0	1.3	12.0	25.8	23.0	13.9	20.1	18.1	19.3	18.2	17.4	19.6	12.6	14.0	

ALL OTHER ACCIDENTS (800-807,825-949)

WHITE MALE	28.9	10.1	5.7	7.3	17.1	29.7	23.0	15.5	29.5	24.5	35.5	60.4	67.9	53.0	112.5	267.9	
WHITE FEMALE	19.9	5.5	2.4	3.8	7.2	4.6	7.3	5.5	4.0	12.4	9.9	14.6	22.9	40.3	94.8	319.6	
NON-WHITE MALE	39.8	8.0	15.3	17.5	51.3	52.1	56.5	19.4	82.3	128.2	36.3	0.0	56.6	0.0	106.8	90.4	
NON-WHITE FEMALE	19.8	23.8	7.7	0.0	9.8	29.1	14.1	16.3	18.9	23.9	0.0	73.3	43.0	52.7	76.5	66.1	
TOTAL	24.5	8.3	4.4	5.8	12.8	17.7	16.2	10.6	17.2	19.9	21.7	35.2	41.9	44.9	101.2	297.7	

ALL MASSACHUSETTS RESIDENT DEATHS

WHITE MALE	1037.8	247.1	22.8	31.9	112.1	186.0	184.1	320.6	564.0	979.1	1640.5	2620.5	3913.1	5545.7	7729.8	815257.0	
WHITE FEMALE	876.2	181.1	16.2	18.9	49.3	54.7	102.0	154.0	305.4	440.3	724.8	1175.0	1859.9	2894.2	4933.2	212630.4	
NON-WHITE MALE	825.1	367.9	76.7	61.1	215.3	295.0	613.1	755.7	1069.7	1691.9	2289.2	3397.8	3907.1	4722.2	7478.6	610759.5	
NON-WHITE FEMALE	542.0	381.5	23.0	25.7	58.6	106.8	267.3	342.5	529.0	981.8	1232.0	1833.5	2452.7	3004.7	5279.3	7804.2	
TOTAL	944.0	224.6	21.2	26.3	82.8	121.8	155.7	245.4	440.8	725.1	1164.0	1837.1	2731.8	3923.3	5979.0	13427.4	

TABLE 8A
MASSACHUSETTS
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

	HEART DISEASE (390-398, 400, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
ABINGTON	38	20	11	1	2	4	2	3	3	2	1	2	1	0	1	12	103
ACTION	22	16	4	4	2	2	1	1	0	0	1	2	1	0	0	7	63
ACUSHNET	32	18	9	3	0	0	0	0	0	0	0	2	0	0	0	3	67
ADAMS	69	22	9	3	2	0	1	9	2	0	1	1	0	0	0	15	134
AGAWAM	63	43	9	1	5	7	2	2	1	1	2	1	0	0	0	16	153
ALFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
AMESBURY	65	23	16	3	5	5	0	3	7	1	2	2	0	0	1	17	150
AMHERST	46	18	11	1	0	5	0	3	1	0	0	2	1	0	0	16	104
ANDOVER	62	32	14	0	2	7	2	6	6	7	1	3	1	0	0	24	167
ARLINGTON	193	116	56	4	16	26	2	13	2	5	4	11	5	2	4	61	520
ASHBURNHAM	10	8	1	0	2	1	0	0	0	2	0	0	0	0	1	3	28
ASHBY	9	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	13
ASHFIELD	17	3	1	0	0	2	0	0	0	0	0	0	0	0	0	1	12
ASHLAND	6	13	5	2	1	1	0	2	0	3	1	1	0	0	0	4	53
ATHOL	48	31	14	1	10	4	0	3	2	1	2	2	1	0	2	19	140
ATTLEBORO	113	64	28	4	4	15	2	4	3	2	9	2	3	0	2	33	286
AUBURN	60	28	13	6	0	3	1	3	2	3	3	1	1	2	0	14	140
AVON	17	12	5	1	0	0	0	0	0	0	0	1	1	0	0	4	41
AYER	16	12	6	2	3	3	3	1	0	1	4	0	1	0	0	6	58
BARNSTABLE	116	86	31	5	4	11	5	2	7	4	5	7	1	0	1	42	327
BARRE	11	7	2	0	2	3	0	0	0	0	1	1	0	0	0	5	32
BECKET	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6
BEDFORD	20	19	4	2	4	5	1	1	2	0	0	1	1	0	0	13	74
BELCHERTOWN	22	3	8	4	1	0	0	0	0	1	1	1	0	0	0	5	46
BELLINGHAM	19	15	4	6	5	1	0	1	1	0	3	1	2	0	1	5	65
BELMONT	106	55	32	0	6	14	0	7	1	1	3	4	0	0	1	44	274
BERKLEY	7	4	2	3	0	1	0	0	0	1	0	0	0	0	0	0	18
BERLIN	6	4	4	0	1	0	0	0	0	0	0	0	0	0	0	3	18
BERNARDSTON	2	4	2	1	0	1	0	0	0	0	0	0	0	0	0	4	14
BEVERLY	109	88	34	4	9	15	8	6	7	2	8	1	3	1	1	36	332
BILLERICA	63	35	12	3	4	5	1	3	4	1	6	2	3	0	0	16	158
BLACKSTONE	20	14	6	0	2	3	0	3	2	1	2	2	1	0	0	6	62
BLANDFORD	3	2	0	0	1	0	2	1	0	0	0	0	0	0	0	2	11
BOLTON	4	3	2	0	0	1	0	1	0	0	1	0	0	0	0	0	12
BOSTON	2601	1374	452	84	174	419	75	125	67	57	167	69	29	108	35	944	5780
BOURNE	43	28	5	5	3	4	0	0	4	2	1	1	0	0	0	11	107
BOXBOROUGH	4	1	1	0	1	0	0	0	0	0	1	0	0	0	0	1	9
BOXFORD	4	3	2	0	0	4	0	0	0	0	0	0	0	0	0	2	15
BOYLSTON	7	1	3	0	0	1	0	0	0	0	2	0	1	0	0	4	19
BRAINTREE	118	70	39	7	11	9	1	5	3	5	2	6	2	0	1	30	309

	ERVING	ESSEX	EVERETT	FAIRHAVEN	FALL RIVER	FALMOUTH	FITCHBURG	FLORIDA	FOXBOROUGH	FRAMINGHAM	FRANKLIN	FREETOWN	GARDNER	GAY HEAD	GEORGETOWN	GILL	GLOUCESTER	GOSHEN	GOSNOLD	GRAFTON	GRANBY	GRANVILLE	GREAT BARRINGTON	GREENFIELD	GROTON	GROVELAND	HADLEY	HALIFAX	HAMILTON	HAMPDEN	HANCOCK	HANOVER	HANSON	HARWICK	HARVARD	HARWICH	HATFIELD	HAVERHILL	HAWLEY	HEATH
HEART DISEASE (390-398,402, 404,410-429)	2	10	202	60	453	73	176	0	45	184	51	11	87	1	12	3	121	1	1	32	12	3	34	85	11	10	14	15	10	1	34	24	14	4	35	18	215	1		
MALIGNANT NEO- PLASMS(140-209)	1	9	102	44	249	57	94	0	10	105	23	6	46	1	6	0	61	1	1	13	7	3	22	44	8	7	10	4	5	2	13	9	7	3	31	10	102	0		
CEREBROVASCULAR DISEASE(430-438)	3	5	33	11	123	19	35	3	13	47	2	3	24	0	5	2	20	0	0	4	4	0	10	22	4	4	3	1	3	0	5	2	0	3	6	2	71	0		
MOTOR VEHICLE ACCIDENTS (810-823)	1	0	4	1	13	4	6	0	6	6	6	2	2	0	0	1	5	0	0	1	1	0	4	2	2	0	4	1	1	0	3	7	0	0	1	0	9	1		
OTHER ACCIDENTS (800-807,825- 949)	0	2	14	5	29	3	10	0	3	13	1	1	4	0	1	7	7	0	0	3	0	0	0	4	0	2	3	1	1	0	0	0	0	0	0	16	0			
INFLUENZA AND PNEUMONIA (470- 474,480-486)	0	1	17	5	42	13	9	1	6	18	9	1	8	0	1	0	10	1	1	7	0	2	3	9	1	0	2	2	2	0	0	1	0	0	7	31	0			
PERINATAL MORT. (760-772,774- 778)	0	0	6	3	12	0	1	0	1	4	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	7	0		
DIABETES MELLITUS (250)	0	0	9	9	31	1	6	0	3	5	4	2	0	0	0	0	7	0	0	1	0	0	0	6	0	2	0	1	4	2	0	0	0	0	0	1	2	6	0	
ARTERIO- SCLEROSIS (440)	0	0	4	1	15	7	11	0	1	5	0	0	1	0	0	0	2	0	0	2	0	0	2	2	1	1	0	0	0	0	0	1	0	0	8	1	9	0		
BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	0	0	3	4	18	5	5	0	3	8	1	1	2	1	0	1	5	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	3	0	1	0		
CIRRHOSIS OF LIVER (571)	0	0	9	2	22	3	8	0	3	11	1	0	6	0	0	0	6	0	0	1	0	0	0	5	0	1	0	0	0	0	0	0	0	1	1	10	0			
SUICIDE (950-959)	0	0	1	3	6	2	4	0	1	3	4	1	0	0	0	0	3	1	0	0	0	0	3	1	0	1	1	0	1	0	0	0	0	0	1	2	5	0		
CONGENITAL ANOMALIES (740-759)	0	0	0	0	6	2	3	0	0	2	1	0	0	0	0	0	2	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0		
HOMICIDE (960-969)	0	0	2	0	3	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0		
PEPTIC ULCER (531-533)	0	1	2	0	8	0	4	0	0	4	1	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0		
ALL OTHER CAUSES	0	0	45	18	115	19	49	1	7	59	14	4	28	0	0	8	1	47	1	0	6	2	2	11	18	2	6	3	4	2	2	7	6	1	1	22	7	0		
TOTAL ALL CAUSES	7	28	453	168	1145	209	421	5	105	474	121	32	211	3	38	8	300	5	1	72	26	10	97	200	30	35	33	32	43	27	5	66	50	25	14	121	46	558	2	

HINGHAM	56	23	20	3	5	5	2	3	1	4	0	3	0	1	0	0	15	141
HINSDALE	11	4	0	0	1	1	1	0	0	0	0	0	1	0	0	0	2	21
HOLBROOK	36	22	12	4	3	3	0	1	1	0	3	3	0	0	0	11	99	
HOLDEN	48	18	17	1	1	1	1	1	2	1	3	3	2	1	0	15	113	
HOLLAND	5	1	1	2	0	0	0	1	0	0	0	0	0	0	0	2	12	
HOLLISTON	13	15	4	2	7	0	0	1	0	0	1	1	2	0	1	4	51	
HOLYOKE	246	124	75	7	22	14	4	10	11	9	16	4	3	1	2	65	613	
HOPEDALE	23	3	3	0	1	1	0	1	0	0	0	0	0	0	0	4	36	
HOPKINTON	24	11	2	2	0	2	0	0	0	0	1	0	0	0	0	4	46	
HUBBARDSTON	7	5	0	0	0	0	0	1	0	0	1	0	1	0	0	2	17	
HUDSON	40	25	12	5	0	5	0	0	1	0	0	1	0	0	0	18	109	
HULL	39	13	9	2	2	1	1	1	0	0	0	0	0	1	0	6	75	
HUNTINGTON	6	3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	11	
IPSWICH	25	20	10	2	1	3	2	4	1	1	2	0	0	0	0	10	81	
KINGSTON	25	8	3	4	2	2	1	1	0	0	0	0	1	0	0	7	54	
LAKEVILLE	12	13	8	2	0	3	0	1	0	1	1	0	1	0	0	1	43	
LANCASTER	16	5	8	4	1	1	1	1	2	1	0	1	6	0	0	6	47	
LANESBOROUGH	8	7	4	1	1	0	1	1	0	0	0	0	0	0	0	2	25	
LAWRENCE	316	176	101	8	20	33	13	19	18	7	15	4	6	1	2	91	830	
LEE	21	16	3	0	1	1	0	3	0	0	0	1	0	1	0	10	57	
LEICESTER	27	17	6	4	1	1	0	0	0	0	1	3	0	0	0	5	65	
LENOX	16	5	10	1	4	0	1	0	1	0	1	1	0	0	1	7	48	
LEOMINSTER	112	62	20	5	7	8	7	6	6	2	6	2	3	1	1	32	280	
LEVERETT	3	1	1	0	0	0	0	1	0	1	1	0	0	0	0	1	9	
LEXINGTON	71	45	18	4	10	11	1	3	2	1	2	5	0	0	0	25	198	
LEYDEN	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	4	
LINCOLN	20	5	5	3	0	2	0	2	1	0	1	1	0	0	0	3	43	
LITTLETON	16	12	5	1	3	2	0	0	0	0	1	0	0	0	0	40	0	
LONGMEADOW	38	27	16	1	2	3	0	0	2	0	0	0	1	0	1	12	103	
LOWELL	484	196	100	10	37	36	8	19	29	6	28	10	6	3	2	102	1076	
LUDLOW	50	28	11	1	4	7	2	2	2	2	2	2	0	0	1	8	122	
LUNENBURG	16	19	7	2	1	1	0	0	0	0	2	1	0	0	0	5	54	
LYNN	428	252	110	13	37	32	8	14	10	11	24	14	2	3	2	124	1084	
LYNNFIELD	26	23	5	3	3	2	0	0	1	1	4	0	0	1	0	7	76	
MALDEN	252	139	64	3	18	28	5	7	11	6	10	8	1	1	8	62	623	
MANCHESTER	20	18	4	1	0	3	0	0	0	0	0	0	0	0	0	4	50	
MANSFIELD	47	14	13	1	2	4	0	2	1	1	4	2	0	0	0	10	101	
MARBLEHEAD	60	43	19	1	11	8	0	8	1	5	5	2	0	0	0	19	182	
MARION	14	7	6	0	0	3	0	0	1	0	0	1	0	0	0	3	35	
MARLBOROUGH	97	45	15	4	6	6	2	3	0	3	3	0	4	1	2	27	218	
MARSHFIELD	45	27	10	5	5	9	1	3	0	1	1	3	2	0	0	18	130	
MASHPEE	7	4	3	1	0	2	0	2	1	0	2	0	0	0	0	3	25	
MATTAPOISETT	17	6	5	2	0	1	1	0	1	0	1	0	2	0	0	6	42	
MAYNARD	40	20	10	1	1	1	0	1	3	0	1	1	0	1	0	13	96	
MEDFIELD	34	8	3	4	1	7	0	0	1	0	1	1	0	1	0	7	68	
MEDFORD	274	139	59	5	17	25	6	13	12	7	12	1	1	4	2	64	641	
MEDWAY	17	10	9	1	0	1	0	1	1	0	1	0	1	0	0	3	45	
MELROSE	109	67	32	5	10	9	5	4	3	6	3	3	1	0	2	41	300	
MENUDON	5	3	1	1	0	1	1	0	0	0	0	1	0	0	0	2	15	
MERRIMAC	13	13	6	2	0	2	1	1	1	1	0	0	1	0	0	3	44	

TABLE 8A
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
METHUEN	158	78	28	4	5	14	9	8	11	4	3	3	1	1	3	33	363
MIDDLEBOROUGH	65	37	22	9	5	3	2	2	1	1	3	1	0	1	0	10	162
MIDDLEFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIDDLETON	11	4	2	1	3	2	0	1	0	0	0	1	0	0	0	3	28
MILFORD	82	30	19	2	3	9	1	1	1	2	2	0	3	0	0	17	172
MILBURY	47	28	6	3	3	3	0	5	0	0	1	0	2	1	1	17	116
MILLIS	13	9	3	4	0	1	0	0	0	1	0	0	0	0	0	11	42
MILLVILLE	8	1	2	2	2	1	0	0	0	0	0	0	0	0	0	2	18
MILTON	99	69	37	1	9	6	1	5	3	1	7	1	0	1	1	23	264
MONROE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3
MONSON	21	13	7	1	1	0	0	0	2	2	1	0	1	0	0	3	52
MONTAGUE	31	17	10	2	1	5	1	0	2	2	0	1	2	0	0	10	84
MONTGOMERY	2	1	2	0	0	0	0	0	0	0	0	1	0	0	0	2	8
MONTGOMERY	3	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	7
MOUNT WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NAHANT	16	12	5	0	1	2	1	0	2	0	0	0	1	0	0	6	46
NANTUCKET	24	12	9	1	1	0	0	2	0	1	2	0	0	0	0	2	54
NATICK	62	73	18	6	4	13	6	4	2	4	4	4	2	1	0	25	228
NEEDHAM	84	48	22	0	7	7	5	5	2	4	3	4	0	2	1	31	225
NEW ASHFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
NEW BEDFORD	483	254	137	14	24	26	13	35	12	11	18	6	7	2	3	113	1158
NEW BRAINTREE	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
NEW MARLBOROUGH	5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	1	12
NEW SALEM	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	6
NEWBURY	8	11	4	0	2	1	0	1	0	0	0	0	0	0	0	3	30
NEWBURYPORT	72	39	23	3	5	3	0	2	5	5	3	1	1	0	1	15	178
NEWTON	323	166	77	5	18	34	2	13	7	8	13	12	5	2	4	95	784
NORFOLK	9	2	2	0	0	0	1	1	0	1	1	0	0	0	0	3	20
NORTH ADAMS	99	38	19	3	3	2	1	7	5	1	6	3	1	1	0	27	216
NORTH ANDOVER	57	28	10	4	4	7	1	1	3	1	3	0	0	0	0	16	135
NORTH ATTLEBORO	64	32	18	3	6	10	2	6	0	1	4	4	0	0	0	9	159
NORTH BROOKFIELD	5	6	4	2	1	2	0	0	0	1	2	1	1	0	0	3	28
NORTH READING	22	11	11	4	1	2	2	2	0	0	1	0	1	1	0	8	66
NORTHAMPTON	99	69	26	4	4	17	1	9	2	1	9	2	0	0	2	43	288
NORTHBOROUGH	22	18	9	4	1	2	0	0	0	0	1	1	0	0	0	7	65
NORTHBIDGE	51	11	6	2	3	5	0	3	4	0	1	0	3	0	0	12	101
NORTHFIELD	8	6	1	1	0	1	0	1	1	0	1	0	0	0	0	3	23
NORTON	25	16	3	3	0	6	0	1	5	0	1	1	0	0	0	9	70
NORWELL	20	15	6	1	0	3	0	1	0	0	0	0	2	1	1	5	55
NORWOOD	93	63	34	5	9	12	6	3	4	5	6	2	1	5	2	46	296

OAK BLUFFS	11	1	4	0	1	0	0	0	0	3	1	1	0	0	0	0	0	0	2	25
DAKHAM	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10
ORANGE	23	7	12	2	5	6	0	0	0	2	0	1	1	1	0	0	0	2	7	69
ORLEANS	26	17	6	3	1	4	0	0	0	1	1	1	2	0	0	0	0	0	6	70
OTIS	5	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	9
OXFORD	29	14	4	6	1	2	2	0	0	1	0	1	1	0	0	0	0	0	15	77
PALMER	45	23	16	3	1	3	0	0	0	5	0	0	3	5	0	0	0	0	14	120
PAXTON	10	8	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	26
PEABODY	135	77	40	4	7	14	3	2	5	7	7	8	4	4	0	0	0	1	41	348
PELHAM	2	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7
PEMBROKE	34	15	5	7	2	1	0	3	0	0	2	0	3	0	0	0	0	0	7	79
PEPPERELL	13	7	4	1	2	1	0	0	0	1	1	0	0	0	0	0	0	0	6	37
PERU	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
PETERSHAM	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
PHILLIPSTON	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	6
PITTSFIELD	201	145	57	12	13	17	8	12	12	7	7	9	6	4	1	4	0	0	77	585
PLAINFIELD	2	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
PLAINVILLE	24	7	6	1	1	2	2	2	2	0	1	2	1	0	0	0	0	0	5	54
PLYMOUTH	95	60	29	8	7	3	6	5	6	0	0	6	4	0	0	0	0	0	31	261
PLYMOUTH	2	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	7
PRINCETON	6	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11
PROVINCETOWN	15	11	7	1	2	5	1	0	0	0	0	0	2	0	0	0	0	0	6	50
QUINCY	396	232	115	7	22	26	4	14	17	8	2	22	5	4	2	7	0	0	139	1020
RANDOLPH	105	50	15	6	5	9	3	2	1	1	2	3	1	1	1	0	0	0	23	227
RAYNHAM	14	7	1	0	1	0	3	1	1	1	1	1	2	0	0	0	0	0	6	37
READING	66	25	20	3	1	3	1	2	1	3	2	2	2	0	0	0	0	0	19	148
REHOBOTH	12	7	7	2	2	2	1	2	0	2	5	6	4	2	5	2	0	0	5	45
REVERE	179	90	30	1	15	16	4	9	2	5	0	0	0	0	0	0	0	0	56	426
RICHMOND	3	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
ROCHESTER	2	4	2	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	12
ROCKLAND	46	22	20	5	2	3	3	1	2	2	0	1	0	1	1	0	0	0	13	122
ROCKPORT	28	21	12	1	2	4	0	1	5	2	0	0	0	0	0	0	0	0	7	83
ROWE	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
ROWLEY	15	9	2	1	1	0	0	0	0	0	0	2	0	1	0	0	0	2	2	33
ROYALSTON	4	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	10
RUSSELL	4	4	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5	31
RUTLAND	14	7	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SALEM	159	120	51	7	11	11	3	15	3	5	1	11	6	2	1	1	1	1	47	453
SALISBURY	18	10	6	0	2	0	2	0	4	1	0	0	2	0	0	0	0	0	0	50
SANDISFIELD	4	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	7
SANDWICH	22	14	5	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	11	59
SAUGUS	95	55	14	8	7	3	2	1	0	4	0	3	2	3	1	1	0	0	22	221
SAVOY	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
SCITUATE	58	30	27	5	3	7	2	2	1	1	1	4	4	0	1	0	0	0	17	162
SEEKONK	34	22	10	3	1	3	1	3	1	0	0	2	1	0	0	0	0	0	1	82
SHARON	29	25	11	1	1	4	1	2	3	1	1	2	1	0	0	0	0	0	9	90
SHEFFIELD	8	6	4	2	0	3	1	0	0	0	0	2	2	0	0	0	0	0	2	28
SHELBOURNE	8	8	0	1	0	3	0	5	1	0	0	2	1	0	0	0	0	0	4	33
SHERBORN	7	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	19
SHIRLEY	10	6	4	1	2	1	0	0	0	0	0	0	0	1	0	0	0	0	3	29

TABLE 8A
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
SHREWSBURY	60	27	19	7	2	7	1	3	2	1	1	2	0	1	2	18	153
SHUTESBURY	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4
SOMERSET	54	33	15	3	3	2	1	5	1	3	3	0	0	0	1	10	134
SOMERVILLE	346	193	75	11	21	40	11	19	5	14	25	5	3	1	5	99	873
SOUTH HADLEY	57	23	12	1	4	6	0	4	6	0	1	0	1	0	1	7	123
SOUTHAMPTON	7	6	2	0	1	0	0	0	0	1	0	1	1	0	0	0	19
SOUTHBOROUGH	19	14	4	0	0	0	0	0	1	1	0	0	2	0	0	4	47
SOUTHBRIIDGE	78	33	13	7	5	5	1	6	0	3	2	0	0	0	1	11	165
SOUTHWICK	17	8	1	1	2	0	0	0	1	0	0	0	0	0	0	3	34
SPENCER	50	17	13	1	1	2	0	1	1	1	4	1	1	0	0	6	99
SPRINGFIELD	623	335	211	18	63	57	22	56	31	18	33	13	5	4	4	194	1687
STERLING	8	5	1	2	0	0	0	0	0	1	2	1	0	0	0	5	25
STOCKBRIIDGE	9	1	1	0	1	1	0	0	1	0	0	0	0	0	0	3	17
STONEHAN	81	47	17	3	4	4	3	3	3	0	0	2	1	0	2	18	188
STOUGHTON	76	48	14	2	5	4	2	1	1	1	4	3	1	0	0	25	187
STOW	9	3	5	0	1	2	0	2	1	0	0	0	0	0	0	6	29
STURBRIDGE	18	5	6	0	0	3	0	0	1	0	0	0	0	0	0	5	38
SUDBURY	25	13	4	4	1	2	0	0	0	1	1	1	1	0	0	7	60
SUNDERLAND	2	3	0	1	0	1	0	0	0	0	0	0	0	1	0	0	8
SUTTON	17	5	5	1	1	0	0	0	0	0	1	0	1	0	0	3	34
SWAMPSCOTT	75	27	11	0	3	5	1	1	2	0	3	1	0	0	1	16	146
SWANSEA	56	27	11	5	3	1	2	1	3	1	3	1	1	0	2	10	127
TAUNTON	168	102	54	12	11	12	8	15	7	15	9	3	4	3	1	32	456
TEMPLETON	9	13	4	2	3	2	0	0	1	2	1	0	0	0	0	7	44
TEWKSBURY	47	22	6	5	2	4	3	1	4	2	2	0	2	4	1	13	118
TISBURY	16	3	4	1	1	1	1	1	2	0	1	0	0	0	0	3	34
TOLLAND	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOPSFIELD	9	6	4	2	0	2	0	1	0	0	0	2	0	0	0	2	27
TOWNSEND	18	7	3	1	0	1	0	1	0	0	0	0	0	0	0	1	32
TRURO	3	2	1	0	1	1	0	0	0	0	0	0	0	0	0	1	9
TYNGBOROUGH	12	6	2	0	1	1	1	1	1	0	1	0	1	0	0	4	31
TRYINGHAM	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
UPTON	17	8	2	0	3	3	0	1	0	0	0	0	0	0	1	4	39
UXBRIDGE	36	15	6	0	1	3	0	2	5	2	2	1	0	0	1	6	80
WAKEFIELD	83	59	34	6	3	13	1	3	2	3	3	6	2	1	0	22	241
WALES	3	0	1	2	2	2	0	0	0	0	1	0	0	0	0	2	13
WALPOLE	41	34	6	4	2	6	0	0	0	0	0	0	0	1	1	15	112
WALTHAM	208	106	50	5	10	24	6	12	8	6	8	5	2	1	1	56	508
WARE	39	17	5	1	1	6	1	2	0	2	3	2	1	0	1	10	91
WAREHAM	64	24	16	3	2	5	0	3	0	5	4	2	0	0	0	15	143

TABLE 8B
MASSACHUSETTS
15 SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE

	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
BARNSTABLE	541	375	131	30	32	75	13	18	41	18	29	29	4	1	5	186	1528
BERKSHIRE	568	329	146	33	34	40	16	38	28	14	24	17	9	5	8	184	1493
BRISTOL	1783	980	494	80	103	140	51	126	53	61	86	39	25	9	20	410	4460
DUKES	38	17	9	1	2	1	1	1	5	4	2	3	0	0	0	10	94
ESSEX	2459	1435	671	94	175	229	67	119	105	75	122	62	26	11	22	720	6392
FRANKLIN	236	126	70	15	16	33	1	17	9	9	10	5	3	2	2	66	620
HAMPDEN	1624	900	462	61	127	134	45	99	71	44	97	36	14	7	10	454	4185
HAMPSHIRE	394	212	97	15	24	42	5	27	15	10	17	12	5	0	5	116	996
MIDDLESEX	4589	2552	1087	175	316	491	103	203	149	121	226	124	65	34	55	1327	11617
NANTUCKET	24	12	9	1	1	0	0	2	0	1	2	0	0	0	0	2	54
NORFOLK	2016	1203	521	104	140	205	39	84	69	49	81	68	18	20	27	607	5251
PLYMOUTH	1255	610	328	105	69	95	45	65	34	32	47	39	26	16	5	322	3093
SUFFOLK	3021	1584	527	88	198	452	83	145	72	69	185	78	34	116	38	1067	7757
WORCESTER	2561	1261	593	116	155	227	45	100	101	76	114	60	39	13	28	679	6168
STATE TOTAL	21109	11596	5145	913	1392	2164	514	1044	752	583	1042	572	268	234	225	6150	53708

TABLE OF
MASSACHUSETTS
15 SELECTED CAUSES OF DEATH BY HSA OF RESIDENCE

	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-907, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
I WESTERN MASS	2869	1611	791	123	213	253	69	183	125	79	149	74	32	13	27	842	7453
II CENTRAL MASS	2603	1249	597	128	154	236	47	105	100	76	120	60	45	15	28	677	6242
III MERRIMACK	1822	899	449	63	121	162	56	82	113	44	88	37	25	10	20	491	4482
IV METRO CENTRAL	3275	1744	584	93	211	487	84	156	79	74	189	88	35	117	41	1152	8409
IV METRO NORTHWEST	1424	868	361	61	109	207	25	78	33	38	74	51	18	12	18	472	3849
IV METRO WEST	1459	845	335	59	96	141	32	61	41	46	70	46	24	9	18	434	3716
IV METRO SOUTHWEST	425	283	110	43	32	68	14	17	18	13	17	11	3	3	7	149	1218
IV METRO SOUTH	1129	631	337	48	75	85	17	45	35	25	46	34	9	11	12	309	2848
V SOUTH SHORE	3585	1980	934	210	203	301	109	208	132	113	168	108	55	22	29	921	9078
VI NORTH SHORE	2518	1486	647	90	178	222	61	109	76	75	121	63	22	17	25	703	6413
STATE TOTAL	21109	11596	5145	918	1392	2164	514	1044	752	583	1042	572	268	234	225	6150	53708

TABLE 9
MASSACHUSETTS
LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX

	TOTAL	MALE	FEMALE		TOTAL	MALE	FEMALE
<u>Under 1 Year</u>							
Certain Causes of Perinatal Mortality (760-779)	525	301	224	<u>15-19 Years</u>			
Congenital Anomalies (740-759)	174	98	76	Motor Vehicle Accidents (810-823)	188	136	52
Diseases of the Respiratory System (460-519)	59	38	21	Other Accidents (800-809, 824-949)	66	47	19
Sudden Infant Death Syndrome (7950)	56	41	15	Suicide (950-959)	32	26	6
All Other Causes	89	48	41	Homicide (960-969)	30	22	8
				Malignant Neoplasms (140-209)	23	16	7
				All Other Causes	87	49	38
Total	903	526	377	Total	426	296	130
<u>1-4 Years</u>							
Other Accidents (800-809, 824-949)	28	18	10	<u>20-29 Years</u>			
Congenital Anomalies (740-759)	23	10	13	Motor Vehicle Accidents (810-823)	296	239	57
Diseases of the Respiratory System (460-519)	20	10	10	Suicide (950-959)	151	113	38
Motor Vehicle Accidents (810-823)	14	9	5	Other Accidents (800-809, 824-949)	148	123	25
All Other Causes	67	38	29	Malignant Neoplasms (140-209)	91	49	42
				Homicide (960-969)	65	52	13
				All Other Causes	267	190	77
Total	152	85	67	Total	1018	766	252
<u>5-9 Years</u>							
Motor Vehicle Accidents (810-823)	30	23	7	<u>30-39 Years</u>			
Malignant Neoplasms (140-209)	26	12	14	Malignant Neoplasms (140-209)	182	71	111
Other Accidents (800-809, 824-949)	24	17	7	Other Accidents (800-809, 824-949)	96	73	23
All Other Causes	35	19	16	Ischemic Heart Disease (410-414)	85	74	11
				Suicide (950-959)	84	60	24
				Motor Vehicle Accidents (810-823)	78	61	17
Total	115	71	44	All Other Causes	397	252	145
<u>10-14 Years</u>							
Motor Vehicle Accidents (810-823)	32	23	9	Total	922	591	331
Other Accidents (800-809, 824-949)	32	22	10	<u>40-44 Years</u>			
Malignant Neoplasms (140-209)	25	16	9	Ischemic Heart Disease (410-414)	204	163	41
All Other Causes	57	33	24	Malignant Neoplasms (140-209)	201	103	98
				Cirrhosis of the Liver (571)	77	57	20
Total	146	94	52	Cerebrovascular Disease (430-438)	41	28	13
				All Other Causes	289	187	102
				Total	812	538	274

	TOTAL	MALE	FEMALE		TOTAL	MALE	FEMALE
<u>45-49 Years</u>							
Malignant Neoplasms (140-209)	452	199	253	Ischemic Heart Disease (410-414)	2487	1419	1068
Ischemic Heart Disease (410-414)	391	328	63	Malignant Neoplasms (140-209)	1749	989	760
Cirrhosis of the Liver (571)	119	75	44	Cerebrovascular Disease (430-438)	677	298	379
Cerebrovascular Disease (430-438)	66	44	22	Diseases of the Respiratory System (460-519)	491	324	167
All Other Causes	482	306	176	Diabetes Mellitus (250)	151	65	86
Total	1510	952	558	All Other Causes	1253	640	613
<u>50-54 Years</u>							
Ischemic Heart Disease (410-414)	779	650	129	Total	6808	3735	3073
Malignant Neoplasms (140-209)	701	339	362	<u>75-79 Years</u>			
Cirrhosis of the Liver (571)	141	97	44	Ischemic Heart Disease (410-414)	2937	1425	1512
Cerebrovascular Disease (430-438)	107	60	47	Malignant Neoplasms (140-209)	1593	791	802
All Other Causes	637	398	239	Cerebrovascular Disease (430-438)	882	322	560
Total	2365	1544	821	Diseases of the Respiratory System (460-519)	612	384	228
<u>55-59 Years</u>							
Ischemic Heart Disease (410-414)	1143	883	260	Other Accidents (800-809, 824-949)	128	53	75
Malignant Neoplasms (140-209)	1105	617	488	All Other Causes	1413	670	743
Diseases of the Respiratory System (460-519)	160	120	40	Total	7565	3645	3920
Cirrhosis of the Liver (571)	153	101	52	<u>Over 79 Years</u>			
Cerebrovascular Disease (430-438)	133	84	49	Ischemic Heart Disease (410-414)	7380	2666	4714
All Other Causes	683	430	253	Cerebrovascular Disease (430-438)	2513	794	1719
Total	3377	2235	1142	Malignant Neoplasms (140-209)	2357	1068	1289
<u>60-64 Years</u>							
Ischemic Heart Disease (410-414)	1649	1198	451	Diseases of the Respiratory System (460-519)	1412	730	682
Malignant Neoplasms (140-209)	1475	825	650	Arteriosclerosis (440)	553	163	390
Cerebrovascular Disease (430-438)	264	139	125	All Other Causes	3059	1140	1919
Diseases of the Respiratory System (460-519)	262	187	75	Total	17274	6561	10713
Cirrhosis of the Liver (571)	164	115	49	<u>All Ages</u>			
All Other Causes	830	519	311	Ischemic Heart Disease (410-414)	19183	10210	8973
Total	4644	2983	1661	Malignant Neoplasms (140-209)	11596	5998	5598
<u>65-69 Years</u>							
Ischemic Heart Disease (410-414)	2116	1393	723	Cerebrovascular Disease (430-438)	5145	2001	3144
Malignant Neoplasms (140-209)	1604	899	705	Diseases of the Respiratory System (460-519)	3647	2214	1433
Cerebrovascular Disease (430-438)	394	195	199	All Other Causes	14137	7614	6522
Diseases of the Respiratory System (460-519)	339	236	103	Total	53708	28037	25670
Cirrhosis of the Liver (571)	147	97	50	Total Includes 1 Death of Unknown Sex			
All Other Causes	1068	494	474				
Total	5668	3414	2254				

TABLE 10
MASSACHUSETTS
SELECTED TYPES OF ACCIDENTAL DEATHS BY SEX AND AGE OCCURRING IN MASSACHUSETTS

TYPE OF ACCIDENT	TOTAL	AGE																	30+	UNKNOWN
		UNDER 1	1-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79				
AUTO OCCUPANT																				
	MALE	416	1	3	5	6	99	169	47	8	17	16	13	5	12	3	5	7	0	
	FEMALE	165	0	4	0	2	36	47	11	8	6	9	10	9	7	6	7	3	0	
TOTAL	581	1	7	5	8	135	216	58	16	23	25	23	14	19	9	12	10	0	0	
MOTORCYCLIST																				
	MALE	58	0	0	1	0	12	37	4	1	2	1	0	0	0	0	0	0	0	
	FEMALE	8	0	0	1	0	4	2	0	0	0	1	0	0	0	0	0	0	0	
TOTAL	66	0	0	2	0	16	39	4	1	2	2	0	0	0	0	0	0	0	0	
PEDAL CYCLIST																				
	MALE	16	0	1	3	4	2	3	0	2	1	0	0	0	0	0	0	0	0	
	FEMALE	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	18	0	1	4	5	2	3	0	2	1	0	0	0	0	0	0	0	0	0	
PEDESTRIAN																				
	MALE	132	0	5	14	10	11	19	11	2	5	7	6	10	3	8	11	10	0	
	FEMALE	75	0	2	6	6	8	4	1	4	2	3	4	2	9	10	7	7	0	
TOTAL	207	0	7	20	16	19	23	12	6	7	10	10	12	12	18	18	17	0	0	
POISONING																				
	MALE	68	1	0	0	0	9	31	10	1	5	1	3	3	3	1	0	0	0	
	FEMALE	34	0	0	0	0	3	7	7	4	0	2	2	1	1	0	1	5	0	
TOTAL	102	1	0	0	0	12	38	17	5	5	3	5	5	4	1	1	5	0	0	
FALLS																				
	MALE	275	2	0	0	0	3	12	12	3	14	16	19	27	21	21	34	91	0	
	FEMALE	337	0	2	0	1	0	3	2	1	1	3	1	3	14	25	52	229	0	
TOTAL	612	2	2	0	1	3	15	14	4	4	15	19	20	30	35	46	86	320	0	
FIRE-FLAMES																				
	MALE	129	1	7	9	5	8	18	11	3	9	9	8	13	9	5	5	9	0	
	FEMALE	71	2	5	1	3	7	4	3	2	3	6	5	9	5	8	6	2	0	
TOTAL	200	3	12	10	8	15	22	14	5	5	12	15	13	22	14	13	11	11	0	
DROWNING																				
	MALE	106	0	6	8	9	13	30	9	4	9	4	3	4	4	1	0	2	0	
	FEMALE	26	0	0	3	4	3	4	1	0	1	3	2	1	2	2	0	0	0	
TOTAL	132	0	6	11	13	16	34	10	4	4	10	7	5	5	6	3	0	2	0	
INHALATION/INGESTION OF FOOD																				
	MALE	34	0	0	0	0	0	2	3	4	2	3	2	7	4	3	1	3	0	
	FEMALE	33	3	0	1	0	2	3	3	1	3	1	1	2	0	4	3	6	0	
TOTAL	67	3	0	1	0	2	5	6	6	5	5	4	3	9	4	7	4	9	0	
ALL OTHER ACCIDENTS																				
	MALE	232	2	5	2	8	22	47	25	10	12	13	17	11	24	5	14	15	0	
	FEMALE	105	0	2	2	3	6	9	9	1	3	9	5	5	7	6	13	28	1	
TOTAL	337	2	7	4	11	27	53	34	34	11	15	22	22	16	31	11	27	43	1	
TOTAL ACCIDENTS																				
	MALE	1466	7	27	42	42	179	368	132	38	76	70	71	80	80	47	70	137	0	
	FEMALE	856	5	15	20	68	80	37	37	21	19	37	30	33	45	61	89	280	1	
TOTAL	2322	12	42	62	247	448	163	163	59	59	95	107	101	113	125	108	159	417	1	

TABLE II
MASSACHUSETTS
DISTRIBUTION OF MARRIAGES BY COUNTY AND MONTH

COUNTY	MONTH OF MARRIAGE												DEC TOTAL
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV		
HARNSTABLE	55	74	41	72	125	151	95	168	140	106	80	66	1173
BEPKSHIRE	62	70	58	78	123	72	145	184	108	130	81	69	1280
BRISTOL	104	227	193	305	389	88	333	439	346	373	281	227	3795
DUKES	5	3	6	6	9	12	15	22	20	10	3	7	118
ESSEX	214	247	220	348	519	53	396	608	412	431	345	258	4651
FRANKLIN	31	21	19	29	47	76	43	66	50	56	47	30	515
HAMPDEN	146	165	162	296	407	445	312	471	315	376	261	192	3548
HAMPSHIRE	50	41	37	53	90	136	86	126	77	90	65	48	899
MIDDLESEX	416	459	490	827	1093	1283	774	1254	1030	1066	772	543	10007
NANTUCKET	3	7	3	3	7	8	6	12	11	5	4	4	73
NORFOLK	159	196	223	332	440	572	309	524	421	454	291	205	4126
PLYMOUTH	121	157	134	205	264	381	261	339	287	276	227	166	2818
SUFFOLK	220	239	254	369	422	522	348	477	438	413	354	224	4280
WORCESTER	235	245	226	375	505	627	416	592	455	524	349	271	4820
TOTAL	1911	2151	2066	3298	4440	5526	3539	5282	4110	4310	3160	2310	42103

TABLE 12
MASSACHUSETTS
DISTRIBUTION BY COUNTY OF DIVORCES AND ANNULMENTS GRANTED
1975

C O U N T Y	DIVORCES	ANNULMENTS	C O U N T Y	DIVORCES	ANNULMENTS
BARNSTABLE	437	5	MIDDLESEX	3,790	1
BERKSHIRE	531	0	NANTUCKET	20	0
BRISTOL	1,449	11	NORFOLK	1,372	13
DUKES	37	0	PLYMOUTH	1,075	11
ESSEX	1,623	0	SUFFOLK	1,784	23
FRANKLIN	301	1	WORCESTER	2,210	31
HAMPODEN	1,383	20	UNKNOWN	0	0
HAMPSHIRE	448	5	STATE	16,460	121

TABLE 13
MASSACHUSETTS
1970 POPULATION BY SEX AND AGE

	TOTAL	MALE	FEMALE
ALL AGES	5689170	2719398	2969772
UNDER 1	91754	46839	44915
1 - 4	378312	193091	185221
5 - 9	542364	276729	265635
10 - 14	555393	283892	271501
15 - 19	514556	254999	259557
20 - 24	464405	217531	246874
25 - 29	371597	183098	188499
30 - 34	295250	144934	150316
35 - 39	296823	145570	151253
40 - 44	330859	160489	170370
45 - 49	342577	164073	178504
50 - 54	326180	154855	171325
55 - 59	290128	135032	155096
60 - 64	252787	113128	139659
65 - 69	207483	87197	120286
70 - 74	173528	67491	106037
75 - 79	126527	47160	79367
80 - 84	77197	26818	50379
OVER 84	51450	16472	34978

TABLE 14
MASSACHUSETTS
POPULATION
FOR

LAST FIVE CENSUS YEARS

	1970	1965	1960	1955	1950
STATE	5689170	5295281	5148578	4837645	4690514
 BARNSTABLE COUNTY	 96656	 73557	 70286	 52728	 46805
BARNSTABLE	19842	15609	13465	12051	10480
BOURNE	12636	6376	14011	4881	4720
BREWSTER	1790	1533	1236	1172	987
CHATHAM	4554	4195	3273	3116	2457
DENNIS	6454	4374	3727	3322	2499
EASTHAM	2043	1733	1200	1107	860
FALMOUTH	15942	13832	13037	9592	8662
HARWICH	5892	4830	3747	3367	2649
MASHPEE	1288	665	867	524	438
ORLEANS	3055	3181	2342	2201	1759
PROVINCETOWN	2911	3463	3389	3415	3795
SANDWICH	5239	2438	2082	1642	2418
TRURO	1234	962	1002	851	661
WELLFLEET	1743	1651	1404	1331	1123
YARMOUTH	12033	8715	5504	4156	3297
 BERKSHIRE COUNTY	 149402	 145597	 142135	 138119	 132966
ADAMS	11772	12703	12391	12789	12034
ALFORD	302	224	256	252	212
BECKET	929	876	770	777	755
CHESHIRE	3006	2718	2472	2188	2022
CLARKSBURG	1987	1945	1741	1602	1630
DALTON	7505	7360	6436	5574	4772
EGREMONT	1138	1013	895	851	731
FLORIDA	672	679	569	537	479
GT. BARRINGTON	7537	7147	6624	6930	6712
HANCOCK	675	517	455	463	445
HINDSDALE	1588	1485	1414	1451	1560
LANESBOROUGH	2972	3062	2933	2681	2069
LEE	6426	6021	5271	5155	4820
LENOX	5804	4661	4253	3592	3627
MONTEREY	600	580	480	450	367
MT. WASHINGTON	52	53	34	42	34
NEW ASHFORD	183	174	165	155	118
NEW MARLBORO	1031	1103	1083	1051	989
NORTH ADAMS	19195	19805	19905	21493	21567
OTIS	820	572	473	491	359

	1970	1965	1960	1955	1950
BERKSHIRE CO. (cont.)					
PERU	256	220	197	172	143
PITTSFIELD	57020	56511	57879	55290	53348
RICHMOND	1461	1121	890	837	737
SANDISFIELD	547	614	536	571	437
SAVOY	322	303	277	312	291
SHEFFIELD	2374	2355	2138	2110	2150
STOCKBRIDGE	2312	2417	2161	2292	2311
TYRINGHAM	234	251	197	231	235
WAHINGTON	406	298	290	301	281
W. STOCKBRIDGE	1354	1337	1244	1192	1165
WILLIAMSTOWN	8454	7042	7322	5911	6194
WINDSOR	468	430	384	376	372
BRISTOL COUNTY	444301	415242	398488	389540	381569
ACUSHNET	7767	6717	5755	4892	4401
ATTLEBORO	32907	28690	27118	24870	23809
BERKLEY	2027	1769	1609	1372	1284
DARTMOUTH	18800	17187	14607	13077	11115
DIGHTON	4667	4131	3769	3315	2950
EASTON	12157	10130	9078	7324	6244
FAIRHAVEN	16332	15642	14339	13376	12764
FALL RIVER	96898	98053	99942	105195	111963
FREETOWN	4270	3337	3039	2573	2104
MANSFIELD	9939	8620	7773	7708	7184
NEW BEDFORD	101777	100176	102477	105488	109189
NO. ATTLEBORO	18665	15682	14777	13069	12146
NORTON	9487	6737	6818	5160	4401
RAYNHAM	6705	5937	4150	3307	2426
REHOBOTH	6512	5489	4953	4211	3700
SEEKONK	11116	9880	8399	7290	6104
SOMERSET	18088	15080	12196	10646	8566
SWANSEA	12640	11767	9916	9043	6121
TAUNTON	43756	42018	41132	41281	40109
WESTPORT	9791	8200	6641	6343	4989
DUKES COUNTY	6117	5948	5829	6069	5633
CHILMARK	340	300	238	242	183
EDGARTOWN	1481	1513	1474	1518	1508
GAY HEAD	118	113	103	125	88
GOSNOLD	83	61	66	100	56
OAK BLUFFS	1385	1492	1419	1564	1521
TISBURY	2257	2080	2169	2163	1930
WEST TISBURY	453	389	360	357	347

	1970	1965	1960	1955	1950
ESSEX COUNTY	637887	608996	568831	543526	522384
AMESBURY	11388	11617	10787	11189	10851
ANDOVER	23695	20551	15878	14535	12437
BEVERLY	38348	38135	36108	31432	28884
BOXFORD	4032	3004	2010	1177	926
DANVERS	26151	24764	21926	18185	15720
ESSEX	2670	2502	2238	2031	1794
GEORGETOWN	5290	4644	3755	2821	2411
GLOUCESTER	27941	26744	25789	25966	25167
GROVELAND	5382	4866	3297	2643	2340
HAMILTON	6373	6141	5488	4116	2764
HAVERHILL	46120	43249	46346	45436	47280
IPSWICH	10750	9955	8544	7841	6895
LAWRENCE	66915	69070	70933	76094	80536
LYNN	90294	92653	94478	99020	99738
LYNNFIELD	10826	9821	8398	5667	3927
MANCHESTER	5151	4386	3932	3376	2868
MARBLEHEAD	21295	20942	18521	15908	13765
MERRIMAC	4245	3733	3261	2980	2804
METHUEN	35456	32466	28114	26437	24477
MIDDLETON	4044	3909	3718	3370	2916
NAHANT	4119	4067	3960	3231	2679
NEWBURY	3804	3485	2519	2281	1994
NEWBURYPORT	15807	14732	14004	14549	14111
NO. ANDOVER	16284	12514	10908	9362	8485
PEABODY	48080	41781	32202	26682	22645
ROCKPORT	5636	5297	4616	4633	4231
ROWLEY	3040	2862	2783	2007	1768
SALEM	40556	40112	39211	40117	41880
SALISBURY	4179	4032	3154	2807	2695
SAUGUS	25110	23429	20666	18489	17162
SWAMPSCOTT	13578	13995	13294	13070	11580
TOPSFIELD	5225	4375	3351	2208	1412
WENHAM	3849	3114	2798	2245	1644
WEST NEWBURY	2254	2049	1844	1621	1598
FRANKLIN COUNTY	59210	57687	54864	55573	52747
ASHFIELD	1274	1218	1131	1072	977
BERNARDSTON	1659	1560	1370	1277	1117
BUCKLAND	1892	1846	1664	1669	1605
CHARLEMONT	897	903	897	857	855
COLRAIN	1420	1461	1426	1511	1546
CONWAY	998	948	875	888	873
DEERFIELD	3850	3481	3338	3111	3086
ERVING	1260	1353	1272	1385	1322
GILL	1100	1290	1203	1125	1070
GREENFIELD	18116	18265	17690	18059	17349
HAWLEY	224	249	251	281	244
HEATH	383	300	304	327	305

1970 1965 1960 1955 1950

FRANKLIN CO. (cont.)

LEVERETT	1005	976	914	845	791
LEYDEN	376	343	343	335	306
MONROE	216	213	210	176	174
MONTAGUE	8451	8629	7836	8428	7812
NEW SALEM	474	449	397	439	392
NORTHFIELD	2631	2412	2320	2337	2246
ORANGE	6104	6206	6154	6161	5894
ROWE	277	276	231	207	199
SHELBURNE	1836	1819	1739	1752	1756
SHUTESBURY	489	333	265	240	213
SUNDERLAND	2236	1298	1279	1270	905
WARWICK	492	438	426	476	429
WENDELL	405	294	292	339	342
WHATELY	1145	1127	1037	1006	939

HAMPDEN COUNTY	459050	435281	429353	389237	367971
AGAWAM	21717	17484	15718	13177	10166
BLANDFORD	863	859	636	705	597
BRIMFIELD	1907	1644	1414	1393	1182
CHESTER	1025	1143	1155	1323	1292
CHICOPEE	66676	58377	61553	49071	49211
E. LONGMEADOW	13029	11988	10294	7857	4881
GRANTVILLE	1008	984	874	824	740
HAMPDEN	4572	3211	2345	1756	1322
HOLLAND	931	798	561	552	377
HOLYOKE	50112	52636	52689	53213	54661
LONGMEADOW	15630	13809	10565	8482	6508
LUDLOW	17580	15922	13805	10530	8660
MONSON	7355	7324	6712	6619	6125
MONTGOMERY	446	397	333	246	157
PALMER	11680	11394	10358	10316	9533
RUSSELL	1382	1514	1366	1385	1298
SOUTHWICK	6330	5619	5139	4479	2855
SPRINGFIELD	163905	165520	174463	166052	162399
TOLLAND	172	104	101	101	107
WALES	852	757	659	639	497
W. SPRINGFIELD	28461	26070	24924	22871	20438
WESTFIELD	31433	28020	26302	22046	20962
WILBRAHAM	11984	9707	7387	5600	4003

HAMPSHIRE COUNTY	123981	100065	103229	87142	87594
AMHERST	26331	10097	13718	8204	10856
BELCHERTOWN	5936	5758	5186	4918	4487
CHESTERFIELD	704	649	556	515	496

	1970	1965	1960	1955	1950
HAMPSHIRE CO. (cont.)					
CUMMINGTON	562	602	550	588	620
EASTHAMPTON	13012	12974	12326	11698	10694
GOSHEN	483	437	385	340	321
GRANBY	5473	4770	4221	2853	1861
HADLEY	3750	3568	3099	2893	2639
HATFIELD	2825	2708	2350	2236	2179
HUNTINGTON	1593	1454	1392	1376	1257
MIDDLEFIELD	288	280	315	335	295
NORTHAMPTON	29664	27062	30058	26271	29063
PELHAM	937	921	805	658	579
PLAINFIELD	287	261	237	254	228
SO. HADLEY	17033	14249	14956	11307	10145
SOUTHAMPTON	3069	2634	2192	1794	1387
WARE	8187	7886	7517	7603	7517
WESTHAMPTON	793	723	583	535	452
WILLIAMSBURG	2342	2389	2186	2248	2056
WORTHINGTON	712	643	597	516	462
MIDDLESEX COUNTY	1397268	1280235	1238742	1115252	1064569
ACTON	14770	10188	7238	4681	3510
ARLINGTON	53524	52482	49953	47148	44353
ASHBY	2274	2089	1883	1654	1464
ASHLAND	8882	8698	7779	5828	3500
AYER	7393	3820	14927	3479	5740
BEDFORD	13513	10787	10969	8776	5234
BELMONT	28285	28794	28715	28790	27381
BILLERICA	31648	23633	17867	14403	11101
BOXBOROUGH	1451	1163	744	594	439
BURLINGTON	21980	19473	12852	5225	3250
CAMBRIDGE	100361	92677	107716	98958	120740
CARLISLE	2871	2011	1488	1138	876
CHELMSFORD	31432	23040	15130	11749	9407
CONCORD	16148	14516	12517	10889	8623
DRACUT	18214	16535	13674	11050	8666
DUNSTABLE	1292	1021	824	704	522
EVERETT	42485	43410	43544	45077	45982
FRAMINGHAM	64048	52369	44526	31589	28086
GROTON	5109	4500	3904	3497	2889
HOLLISTON	12069	8915	6222	4471	3753
HOPKINTON	5981	5512	4932	4407	3486
HUDSON	16084	13642	9666	8904	8211
LEXINGTON	31886	31388	27691	22256	17335
LINCOLN	7567	4463	5613	2949	2427
LITTLETON	6380	5572	5109	3079	2349
LOWELL	94239	86535	92107	93876	97249

1970 1965 1960 1955 1950

MIDDLESEX CO. (cont.)

MALDEN	51627	56142	57676	59497	59804
MARLBORO	27936	23591	18819	16892	15756
MAYNARD	9710	9070	7695	7253	6978
MEDFORD	64397	60429	64971	65393	66113
MELROSE	33180	32105	29619	29239	26988
NATICK	31057	30365	28831	26213	19838
NEWTON	91066	88514	92384	86535	81994
NO. READING	11264	9882	8331	6083	4402
PEPPERELL	5887	4573	4336	3437	3460
READING	22539	21188	19259	16440	14006
SHERBORN	3309	2333	1806	1439	1245
SHIRLEY	4909	3180	5202	2832	4271
SOMERVILLE	88779	86332	94697	97032	102351
STONEHAM	20725	20109	17821	15817	13229
STOW	3984	3191	2573	2195	1700
SUDBURY	13506	10894	7447	3646	2496
TEWKSBURY	22755	18079	15902	10848	7505
TOWNSEND	4281	3990	3650	3365	2817
TYNGSBORO	4204	3848	3302	2868	2059
WAKEFIELD	25402	25571	24295	22115	19633
WALTHAM	61582	57134	55413	50115	47187
WATERTOWN	39307	40115	39092	38898	37329
WAYLAND	13461	12192	10444	7359	4407
WESTFORD	10368	8283	6261	4923	4262
WESTON	10870	9848	8261	6257	5026
WILMINGTON	17102	15261	12475	9408	7039
WINCHESTER	22269	21634	19376	18126	15509
WOBBURN	37406	35149	31214	25856	20492

NANTUCKET COUNTY	3774	3714	3559	3642	3484
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NANTUCKET	3774	3714	3559	3642	3484
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NORFOLK COUNTY	605051	560137	510256	448144	392308
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AVON	5295	5175	4301	2994	2666
BELLINGHAM	13967	10604	6774	5421	4100
BRAINTREE	35050	33954	31069	26698	23161
BROOKLINE	58886	53608	54044	56876	57589
CANTON	17100	15310	12771	10128	7465
COHASSET	6954	6559	5840	4729	3731
DEDHAM	26938	26618	23869	21450	18487
DOVER	4529	3592	2846	2245	1722
FOXBORO	14218	12223	10136	8537	7030
FRANKLIN	17830	14721	10530	8466	8037
HOLBROOK	11775	11231	10104	6286	4004

	1970	1965	1960	1955	1950
NORFOLK CO. (cont.)					
MEDFIELD	9821	7479	6021	5293	4549
MEDWAY	7938	6869	5168	4169	3744
MILLIS	5686	5262	4374	3030	2551
MILTON	27190	27708	26375	24043	22395
NEEDHAM	29748	29303	25793	21560	16313
NORFOLK	4656	3985	3471	2769	2704
NORWOOD	30815	28978	24898	21052	16636
PLAINVILLE	4953	4252	3810	2557	2088
QUINCY	87966	87158	87409	84495	83835
RANDOLPH	27035	21726	18900	13539	9982
SHARON	12367	11341	10070	7814	4847
STOUGHTON	23459	19686	16328	13754	11146
WALPOLE	18149	16390	14068	11293	9109
WELLESLEY	28051	26297	26071	21759	20549
WESTWOOD	12750	12123	10354	8480	5837
WEYMOUTH	54610	50468	48177	42747	32690
WRENTHAM	7315	7517	6685	5960	5341
PLYMOUTH COUNTY	333314	292697	248449	214456	189468
ABINGTON	12334	11790	10607	9407	7152
BRIDGEWATER	11829	11056	10276	9059	9512
BROCKTON	89040	83499	72813	62628	62860
CARVER	2420	2147	1949	1669	1530
DUXBURY	7636	6211	4727	4280	3167
EAST BRIDGEWATER	8347	7460	6139	5359	4412
HALIFAX	3537	2637	1599	1377	944
HANOVER	10107	7862	5923	4248	3389
HANSON	7148	5285	4370	3763	3264
HINGHAM	18845	17576	15378	13418	10665
HULL	9961	8836	7055	5824	3379
KINGSTON	5999	4946	4302	4089	3461
LAKEVILLE	4376	3773	3209	2382	2066
MARION	3466	3481	2881	2776	2250
MARSHFIELD	15223	10176	6748	4959	3267
MATTAPOISETT	4500	3942	3117	2661	2265
MIDDLEBORO	13607	11726	11065	11119	10164
NORWELL	7796	6387	5207	4127	2515
PEMBROKE	11193	7708	4919	3838	2579
PLYMOUTH	18606	15424	14445	13892	13608
PLYMPTON	1224	1060	821	760	697
ROCHESTER	1770	1693	1559	1439	1328
ROCKLAND	15674	15054	13119	10516	8960
SCITUATE	16973	14458	11214	8341	5993
WAREHAM	11492	10406	9461	8612	7569
WEST BRIDGEWATER	7152	5731	5061	4558	4059
WHITMAN	13059	12373	10485	9345	8413

	1970	1965	1960	1955	1950
SUFFOLK COUNTY	735190	706216	791239	819797	896615
BOSTON	641071	616326	697197	724702	801444
CHELSEA	30625	27098	33749	36826	38912
REVERE	43159	42394	40080	29565	36763
WINTHROP	20335	20398	20303	18704	19496
WORCESTER COUNTY	637969	609909	583228	574420	546401
ASHBURNHAM	3484	3042	2758	2588	2603
ATHOL	11185	11989	11637	12186	11554
AUBURN	15347	15396	14047	12442	8840
BARRE	3825	3860	3479	3591	3406
BERLIN	2099	1984	1742	1516	1349
BLACKSTONE	6566	6025	5130	5023	4968
BOLTON	1905	1669	1264	1101	956
BOYLSTON	2774	2732	2367	1886	1700
BROOKFIELD	2063	2002	1751	1774	1567
CHARLTON	4654	4017	3685	3466	3136
CLINTON	13383	13626	12848	12754	12287
DOUGLAS	2947	2718	2559	2666	2624
DUDLEY	8087	6960	6510	5596	5261
EAST BROOKFIELD	1800	1788	1533	1391	1243
FITCHBURG	43343	43087	43021	42925	42691
GARDNER	19748	20463	19038	20108	19581
GRAFTON	11659	11571	10627	9803	8281
HARDWICK	2379	2395	2340	2271	2348
HARVARD	13426	2360	2563	1597	3983
HOLDEN	12564	11504	10117	8608	5975
HOPEDALE	4292	4363	3987	3773	3479
HUBBARDSTON	1437	1365	1217	1162	1134
LANCASTER	6095	4815	3958	3835	3601
LEICESTER	9140	8701	8177	7290	6029
LEOMINSTER	32939	29729	27929	24787	24075
LUNENBURG	7419	7321	6334	5282	3906
MENDON	2524	2310	2068	1905	1619
MILFORD	19352	17034	15749	15622	15442
MILLBURY	11987	10764	9623	9282	8347
MILLVILLE	1764	1706	1567	1583	1692
NEW BRAINTREE	631	530	509	471	478
NO. BROCKFIELD	3967	3608	3616	3455	3444
NORTHBORO	9218	8314	6687	4943	3122
NORTHBRIDGE	11795	11502	10800	10626	10476
OAKHAM	730	632	524	522	455
OXFORD	10345	10034	9282	7777	5851
PAXTON	3731	2856	2399	1565	1066
PETERSHAM	1014	990	890	929	814
PHILLIPSTON	872	842	695	748	638
PRINCETON	1681	1487	1360	1196	1032

1970 1965 1960 1955 1950

WORCESTER CO. (cont.)

ROYALSTON	809	739	800	848	838
RUTLAND	3198	2713	3253	2430	3056
SHEFFSBURY	19196	18003	16622	13103	10594
SOUTHBORO	5798	4780	3996	3173	2760
SOUTHBRIDGE	17057	19384	16523	17271	17519
SPENCER	8779	8514	7838	7611	7027
STERLING	4247	3711	3193	2724	2166
STURBRIDGE	4878	4006	3604	3413	2805
SUTTON	4590	3921	3638	3423	3102
TEMPLETON	5863	6006	5371	5384	4757
UPTON	3484	3502	3127	2921	2656
UXBRIDGE	8253	8265	7789	7596	7007
WARREN	3633	3578	3383	3509	3406
WEBSTER	14917	14357	13680	13934	13194
WEST BOYLSTON	6369	6057	5526	4143	2570
WEST BROOKFIELD	2653	2233	2053	1935	1674
WESTBORO	12594	10567	9599	8130	7378
WESTMINISTER	4273	4452	4022	3505	2768
WINCHENDON	6635	6689	6237	6710	6585
WORCESTER	176572	180341	186587	202612	203486

TABLE 15

HEALTH SERVICE AREAS

HEALTH SERVICE AREA I

Adams	Hancock	Pittsfield
Agawam	Hatfield	Plainfield
Alford	Hawley	Richmond
Amherst	Heath	Rowe
Ashfield	Hinsdale	Royalston
Athol	Holyoke	Russell
Becket	Huntington	Sandisfield
Belchertown	Lanesborough	Savoy
Bernardston	Lee	Sheffield
Blandford	Lenox	Shelburne
Buckland	Leverett	Shutesbury
Charlemont	Leyden	South Hadley
Cheshire	Longmeadow	Southampton
Chester	Ludlow	Southwick
Chesterfield	Middlefield	Springfield
Chicopee	Monroe	Stockbridge
Clarksburg	Monson	Sunderland
Colrain	Montague	Tolland
Conway	Monterey	Tyringham
Cummington	Montgomery	Ware
Dalton	Mount Washington	Warren
Deerfield	New Ashford	Warwick
Easthampton	New Marlborough	Washington
East Longmeadow	New Salem	Wendell
Egremont	Northampton	Westfield
Erving	North Adams	Westhampton
Florida	Northfield	West Springfield
Gill	Orange	West Stockbridge
Goshen	Otis	Whately
Granby	Palmer	Wilbraham
Granville	Pelham	Williamsburg
Great Barrington	Peru	Williamstown
Greenfield	Petersham	Windsor
Hadley	Phillipston	Worthington
Hampden		

HEALTH SERVICE AREA II

Ashburnham	Hardwick	Pepperell
Ashby	Harvard	Princeton
Auburn	Holden	Rutland
Ayer	Holland	Shirley
Barre	Hopedale	Shrewsbury
Berlin	Hubbardston	Southbridge
Bellingham	Lancaster	Spencer
Blackstone	Leicester	Sterling
Boylston	Leominster	Sturbridge
Bolton	Lunenburg	Sutton
Brimfield	Medway	Templeton
Brookfield	Mendon	Townsend
Charlton	Milford	Upton
Clinton	Milbury	Uxbridge
Douglas	Millville	Wales
Dudley	New Braintree	Webster
East Brookfield	Northbridge	West Boylston
Fitchburg	North Brookfield	W. Brookfield
Franklin	Oakham	Westminster
Gardner	Oxford	Winchendon
Grafton	Paxton	Worcester
Groton		

HEALTH SERVICE AREA III

Amesbury	Groveland	North Andover
Andover	Haverhill	Rowley
Billerica	Lawrence	Salisbury
Boxford	Lowell	Tewksbury
Chelmsford	Merrimac	Tyngsboro
Dracut	Methuen	Westford
Dunstable	Newbury	West Newbury
Georgetown	Newburyport	

HEALTH SERVICE AREA IVCENTRAL METRO

Boston
Brookline

Chelsea
Revere

Winthrop

NORTHWEST METRO

Acton
Arlington
Bedford
Belmont
Boxborough
Burlington

Cambridge
Carlisle
Concord
Lexington
Lincoln
Littleton

Maynard
Somerville
Stow
Wilmington
Winchester
Woburn

SOUTH METRO

Braintree
Cohasset
Hingham
Holbrook

Hull
Milton
Norwell
Quincy

Randolph
Scituate
Weymouth

SOUTHWEST METRO

Canton
Dedham
Foxboro
Medfield

Millis
Norfolk
Norwood
Sharon

Walpole
Westwood
Wrentham

WEST METRO

Ashland
Dover
Framingham
Holliston
Hopkinton
Hudson
Marlborough

Natick
Needham
Newton
Northborough
Sherborn
Southborough
Sudbury

Waltham
Watertown
Wayland
Wellesley
Westborough
Weston

HEALTH SERVICE AREA V

Abington	Falmouth	Plainville
Acushnet	Freetown	Plymouth
Attleboro	Gay Head	Plympton
Avon	Gosnold	Provincetown
Barnstable	Halifax	Raynham
Berkley	Hanover	Rehoboth
Bourne	Hanson	Rochester
Brewster	Harwich	Rockland
Bridgewater	Kingston	Sandwich
Brockton	Lakeville	Seekonk
Carver	Mansfield	Somerset
Chatham	Marion	Stoughton
Chilmark	Marshfield	Swansea
Dartmouth	Mashpee	Taunton
Dennis	Mattapoisett	Tisbury
Dighton	Middleborough	Truro
Duxbury	Nantucket	Wareham
East Bridgewater	New Bedford	Wellfleet
Eastham	North Attleborough	West Bridgewater
Easton	Norton	Westport
Edgartown	Oak Bluffs	West Tisbury
Fairhaven	Orleans	Whitman
Fall River	Pembroke	Yarmouth

HEALTH SERVICE AREA VI

Beverly	Malden	Reading
Danvers	Manchester	Rockport
Essex	Marblehead	Salem
Everett	Medford	Saugus
Gloucester	Melrose	Stoneham
Hamilton	Middleton	Swampscott
Ipswich	Nahant	Topsfield
Lynn	North Reading	Wakefield
Lynnfield	Peabody	Wenham

APPENDIX

List of Other Available Data

Births and Fetal Deaths

Births by Weight of Infant and Race of Mother
Births by Age, Race and Marital Status of Mother
Births and Fetal Deaths by Age and Race of Mother
Immature Births and Fetal Deaths by Age and Race of Mother and Sex of Child
Births by Age and Marital Status of Mother and Weight of Baby
(Available for each City, Town and Health Service Area)
Births by City/Town of Mother's Residence and Race and Sex of Baby
Plural Births - (Information Listing)
Congenital Malformation - (Information Listing)

Deaths

Deaths by City/Town of Residence, Color and Sex
Deaths by City/Town of Residence, Age Group and Sex
Deaths by Cause, Sex, Color and Age Group - Certified by Medical Examiners
Deaths by County of Occurrence and Cause - Certified by Medical Examiners
Deaths by Cause, Age, Sex and Color
Deaths By City/Town of Occurrence and Cause
Deaths by each Cause, and City/Town of Residence - (Information Listing)

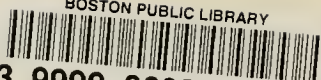
Marriages and Divorces

Marriages by Age and Marital Status of Bride and Groom
Number of Marriages for Bride and Groom
Divorces and Annulments by Cause, Party To Whom Granted and Whether Contested
Divorces and Annulments by Party To Whom Granted and Duration of Marriage

For the above data, contact:

Department of Public Health
Office of Health Statistics and Analysis
80 Boylston Street Room 335
Boston, Mass. 02116
Tel: (617) 727-5542

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